

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071723\
 Data File : VD076748.D
 Acq On : 17 Jul 2023 12:13
 Operator : KP/SY
 Sample : VD0717SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0717SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

Quant Time: Jul 18 01:22:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	211528	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	380106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	342926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	166932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	92800	44.046	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.100%		
35) Dibromofluoromethane	7.805	113	110324	46.187	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.380%		
50) Toluene-d8	10.269	98	380865	44.572	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.140%		
62) 4-Bromofluorobenzene	12.575	95	124855	45.167	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.340%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	38662	23.373	ug/l	98
3) Chloromethane	2.146	50	56013	19.630	ug/l	99
4) Vinyl Chloride	2.275	62	77389	20.346	ug/l	98
5) Bromomethane	2.675	94	60159	19.223	ug/l	97
6) Chloroethane	2.823	64	56998	19.847	ug/l	97
7) Trichlorofluoromethane	3.164	101	72398	21.391	ug/l	100
8) Diethyl Ether	3.593	74	23166	19.880	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.958	101	47362	21.288	ug/l	98
10) Methyl Iodide	4.152	142	53704	21.414	ug/l	92
11) Tert butyl alcohol	5.058	59	18728	119.121	ug/l #	94
12) 1,1-Dichloroethene	3.928	96	42873	20.511	ug/l	90
13) Acrolein	3.793	56	11926	111.314	ug/l	96
14) Allyl chloride	4.546	41	52854	19.249	ug/l	92
15) Acrylonitrile	5.264	53	53229	93.004	ug/l	100
16) Acetone	4.022	43	47838	95.073	ug/l	96
17) Carbon Disulfide	4.264	76	99413	20.363	ug/l	100
18) Methyl Acetate	4.558	43	37481	19.826	ug/l	94
19) Methyl tert-butyl Ether	5.311	73	110557	19.724	ug/l	98
20) Methylene Chloride	4.805	84	60900	12.628	ug/l	95
21) trans-1,2-Dichloroethene	5.311	96	49637	20.430	ug/l	90
22) Diisopropyl ether	6.216	45	126497	19.455	ug/l	98
23) Vinyl Acetate	6.152	43	288943	89.813	ug/l	93
24) 1,1-Dichloroethane	6.105	63	86408	19.710	ug/l	97
25) 2-Butanone	7.081	43	68466	101.670	ug/l	92
26) 2,2-Dichloropropane	7.075	77	78798	20.851	ug/l	92
27) cis-1,2-Dichloroethene	7.075	96	60708	20.268	ug/l	95
28) Bromochloromethane	7.422	49	24632	22.474	ug/l	88
29) Tetrahydrofuran	7.446	42	37628	94.571	ug/l	92
30) Chloroform	7.593	83	99801	20.785	ug/l	94
31) Cyclohexane	7.875	56	63674	20.535	ug/l #	95
32) 1,1,1-Trichloroethane	7.793	97	81734	21.098	ug/l	99
36) 1,1-Dichloropropene	8.005	75	65711	21.053	ug/l	97
37) Ethyl Acetate	7.169	43	25190	18.046	ug/l	98
38) Carbon Tetrachloride	7.987	117	62819	21.019	ug/l	96
39) Methylcyclohexane	9.275	83	74598	20.699	ug/l	95
40) Benzene	8.252	78	207688	21.089	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071723\
 Data File : VD076748.D
 Acq On : 17 Jul 2023 12:13
 Operator : KP/SY
 Sample : VD0717SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0717SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

Quant Time: Jul 18 01:22:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	15304	17.954	ug/l #	94
42) 1,2-Dichloroethane	8.322	62	53224	20.800	ug/l	98
43) Isopropyl Acetate	8.358	43	52894	19.417	ug/l	94
44) Trichloroethene	9.028	130	55707	20.758	ug/l	90
45) 1,2-Dichloropropane	9.305	63	51796	20.374	ug/l	98
46) Dibromomethane	9.393	93	30252	20.330	ug/l	94
47) Bromodichloromethane	9.581	83	77143	20.658	ug/l	100
48) Methyl methacrylate	9.381	41	22475	18.127	ug/l	87
49) 1,4-Dioxane	9.381	88	7131	374.033	ug/l	98
51) 4-Methyl-2-Pentanone	10.157	43	135768	93.605	ug/l	95
52) Toluene	10.334	92	134013	20.719	ug/l	94
53) t-1,3-Dichloropropene	10.552	75	68826	19.857	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	79839	19.545	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	45302	20.848	ug/l	97
56) Ethyl methacrylate	10.599	69	48424	19.308	ug/l #	91
57) 1,3-Dichloropropane	10.881	76	69777	19.718	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	97738	100.678	ug/l	98
59) 2-Hexanone	10.922	43	98122	94.809	ug/l	93
60) Dibromochloromethane	11.069	129	51005	20.205	ug/l	93
61) 1,2-Dibromoethane	11.175	107	39862	19.787	ug/l	98
64) Tetrachloroethene	10.810	164	46310	23.683	ug/l	93
65) Chlorobenzene	11.604	112	151299	21.937	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	54161	21.093	ug/l	98
67) Ethyl Benzene	11.687	91	252168	20.819	ug/l	97
68) m/p-Xylenes	11.793	106	195246	41.971	ug/l	91
69) o-Xylene	12.122	106	92403	20.541	ug/l	90
70) Styrene	12.134	104	162211	20.599	ug/l	97
71) Bromoform	12.298	173	29181	20.750	ug/l #	97
73) Isopropylbenzene	12.422	105	252313	20.833	ug/l	94
74) N-amyl acetate	12.234	43	47641	18.672	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	52213	20.079	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	31771m	20.013	ug/l	
77) Bromobenzene	12.698	156	57613	20.609	ug/l	88
78) n-propylbenzene	12.763	91	301746	20.551	ug/l	96
79) 2-Chlorotoluene	12.846	91	165425	20.548	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	201292	20.555	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	14066	18.857	ug/l	98
82) 4-Chlorotoluene	12.945	91	174692	20.771	ug/l	94
83) tert-Butylbenzene	13.163	119	180168	20.895	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	200239	20.009	ug/l	98
85) sec-Butylbenzene	13.345	105	275513	20.913	ug/l	96
86) p-Isopropyltoluene	13.457	119	222783	20.477	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	118019	20.525	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	118567	21.047	ug/l	98
89) n-Butylbenzene	13.787	91	219765	20.642	ug/l	97
90) Hexachloroethane	14.051	117	43734	21.743	ug/l	88
91) 1,2-Dichlorobenzene	13.828	146	105034	20.730	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7264	19.592	ug/l	96
93) 1,2,4-Trichlorobenzene	15.092	180	62001	20.044	ug/l	96
94) Hexachlorobutadiene	15.204	225	31645	21.271	ug/l	98
95) Naphthalene	15.328	128	128746	19.223	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	56966	20.522	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071723\
Data File : VD076748.D
Acq On : 17 Jul 2023 12:13
Operator : KP/SY
Sample : VD0717SBSD01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0717SBSD01

Manual Integrations
APPROVED

Reviewed By : John Carlone 07/18/2023
Supervised By : Mahesh Dadoda 07/18/2023

Quant Time: Jul 18 01:22:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 17 08:07:52 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

