

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071223\
 Data File : VD076722.D
 Acq On : 12 Jul 2023 09:14
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

07/13/2023
 Supervised By :Mahesh
 Dadoda

Quant Time: Jul 12 09:33:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	170080	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	309607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	249104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	135383	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	87681	51.454	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.900%	
35) Dibromofluoromethane	7.805	113	98150	53.363	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.720%	
50) Toluene-d8	10.269	98	347392	49.803	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.600%	
62) 4-Bromofluorobenzene	12.575	95	114434	50.549	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.100%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	64280	49.738	ug/l	100
3) Chloromethane	2.146	50	124972	46.496	ug/l	99
4) Vinyl Chloride	2.276	62	175699	58.600	ug/l	100
5) Bromomethane	2.681	94	124750	63.991	ug/l	96
6) Chloroethane	2.828	64	127721	62.151	ug/l	94
7) Trichlorofluoromethane	3.164	101	125240	50.757	ug/l	98
8) Diethyl Ether	3.587	74	42682	45.963	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.958	101	87012	54.756	ug/l	92
10) Methyl Iodide	4.158	142	78865	41.862	ug/l	91
11) Tert butyl alcohol	5.058	59	30431	206.833	ug/l	96
12) 1,1-Dichloroethene	3.934	96	76479	49.141	ug/l #	79
13) Acrolein	3.787	56	29399	185.514	ug/l	96
14) Allyl chloride	4.558	41	113118	39.744	ug/l #	89
15) Acrylonitrile	5.252	53	112394	235.375	ug/l	98
16) Acetone	4.022	43	107222	264.419	ug/l	89
17) Carbon Disulfide	4.264	76	198252	46.623	ug/l	100
18) Methyl Acetate	4.564	43	76990	41.199	ug/l	89
19) Methyl tert-butyl Ether	5.311	73	214767	50.450	ug/l	99
20) Methylene Chloride	4.799	84	105109	45.553	ug/l #	81
21) trans-1,2-Dichloroethene	5.305	96	90077	50.077	ug/l	93
22) Diisopropyl ether	6.211	45	273967	44.516	ug/l	96
23) Vinyl Acetate	6.152	43	678933	222.563	ug/l #	91
24) 1,1-Dichloroethane	6.105	63	174305	50.720	ug/l	97
25) 2-Butanone	7.081	43	145597	232.144	ug/l #	86
26) 2,2-Dichloropropane	7.075	77	148171	50.008	ug/l	94
27) cis-1,2-Dichloroethene	7.075	96	111328	51.139	ug/l	92
28) Bromochloromethane	7.422	49	45575	45.863	ug/l #	71
29) Tetrahydrofuran	7.440	42	83714	207.696	ug/l	88
30) Chloroform	7.587	83	181635	53.377	ug/l	95
31) Cyclohexane	7.875	56	139571	52.970	ug/l	98
32) 1,1,1-Trichloroethane	7.787	97	163858	59.570	ug/l	99
36) 1,1-Dichloropropene	8.005	75	140646	54.605	ug/l	97
37) Ethyl Acetate	7.164	43	60087	40.259	ug/l	93
38) Carbon Tetrachloride	7.987	117	130950	56.882	ug/l	98
39) Methylcyclohexane	9.269	83	164197	54.323	ug/l	94
40) Benzene	8.246	78	428507	54.555	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	35830	42.513	ug/l #	80
42) 1,2-Dichloroethane	8.328	62	112891	53.191	ug/l	95
43) Isopropyl Acetate	8.358	43	122773	43.450	ug/l	90
44) Trichloroethene	9.028	130	109739	51.792	ug/l	92
45) 1,2-Dichloropropane	9.305	63	112359	52.760	ug/l	99
46) Dibromomethane	9.393	93	61943	54.296	ug/l	88
47) Bromodichloromethane	9.581	83	155903	57.105	ug/l	100
48) Methyl methacrylate	9.381	41	57847	44.666	ug/l #	82
49) 1,4-Dioxane	9.387	88	15024	1099.130	ug/l #	91
51) 4-Methyl-2-Pentanone	10.157	43	327200	226.532	ug/l	91
52) Toluene	10.334	92	259214	52.590	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	139998	50.535	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	171411	52.188	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	78642	49.280	ug/l	94
56) Ethyl methacrylate	10.599	69	100985	48.465	ug/l #	88
57) 1,3-Dichloropropane	10.875	76	131758	48.224	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	206770	234.065	ug/l	94
59) 2-Hexanone	10.922	43	222327	221.282	ug/l	90
60) Dibromochloromethane	11.075	129	89313	48.091	ug/l	95
61) 1,2-Dibromoethane	11.181	107	71473	47.711	ug/l	100
64) Tetrachloroethene	10.810	164	71982	48.140	ug/l	94
65) Chlorobenzene	11.604	112	262291	55.423	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	94230	55.676	ug/l	99
67) Ethyl Benzene	11.681	91	486779	58.050	ug/l	93
68) m/p-Xylenes	11.793	106	395826	120.923	ug/l	93
69) o-Xylene	12.122	106	194419	62.394	ug/l	92
70) Styrene	12.134	104	344648	64.030	ug/l	98
71) Bromoform	12.299	173	57418	56.502	ug/l #	100
73) Isopropylbenzene	12.422	105	517670	56.793	ug/l	95
74) N-amyl acetate	12.234	43	118713	44.487	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.675	83	110093	58.532	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	67770m	50.438	ug/l	
77) Bromobenzene	12.698	156	110424	49.104	ug/l	82
78) n-propylbenzene	12.763	91	636342	56.540	ug/l	96
79) 2-Chlorotoluene	12.846	91	340293	55.061	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	419922	56.413	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	32230	52.561	ug/l	98
82) 4-Chlorotoluene	12.946	91	353456	55.069	ug/l	93
83) tert-Butylbenzene	13.163	119	368674	55.740	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	420248	56.023	ug/l	96
85) sec-Butylbenzene	13.346	105	574689	58.551	ug/l	94
86) p-Isopropyltoluene	13.457	119	471640	57.507	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	234659	53.124	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	226426	51.397	ug/l	95
89) n-Butylbenzene	13.787	91	466978	58.376	ug/l	97
90) Hexachloroethane	14.051	117	88549	58.507	ug/l	81
91) 1,2-Dichlorobenzene	13.828	146	203872	52.818	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	14489	51.178	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	123037	47.829	ug/l	96
94) Hexachlorobutadiene	15.204	225	57805	46.220	ug/l	99
95) Naphthalene	15.328	128	265951	51.701	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	109740	48.964	ug/l	98

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

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

