

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052623\
 Data File : VD076250.D
 Acq On : 26 May 2023 10:11
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/29/2023
 Supervised By :Mahesh Dadoda 05/30/2023

Quant Time: May 26 16:04:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	196467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	328489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	307745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	165766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	83576	44.015	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.040%		
35) Dibromofluoromethane	7.804	113	103173	45.439	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.880%		
50) Toluene-d8	10.269	98	392945	44.394	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.780%		
62) 4-Bromofluorobenzene	12.575	95	112250	45.653	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	71982	40.624	ug/l	92
3) Chloromethane	2.146	50	129289	43.886	ug/l	100
4) Vinyl Chloride	2.281	62	175345	45.885	ug/l	100
5) Bromomethane	2.687	94	123513	48.008	ug/l	99
6) Chloroethane	2.834	64	129896	50.525	ug/l	96
7) Trichlorofluoromethane	3.169	101	140243	43.298	ug/l	95
8) Diethyl Ether	3.593	74	49206	46.195	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.969	101	96418	45.192	ug/l	96
10) Methyl Iodide	4.163	142	121939	54.968	ug/l	90
11) Tert butyl alcohol	5.052	59	22178	220.801	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	92580	43.600	ug/l	88
13) Acrolein	3.793	56	44911	182.693	ug/l	99
14) Allyl chloride	4.563	41	99140	46.004	ug/l #	80
15) Acrylonitrile	5.252	53	109093	247.356	ug/l	99
16) Acetone	4.016	43	107318	284.067	ug/l #	81
17) Carbon Disulfide	4.269	76	241138	41.481	ug/l	97
18) Methyl Acetate	4.558	43	64977	48.215	ug/l #	77
19) Methyl tert-butyl Ether	5.310	73	209593	50.430	ug/l	97
20) Methylene Chloride	4.793	84	135094	43.938	ug/l #	78
21) trans-1,2-Dichloroethene	5.316	96	110002	44.949	ug/l #	73
22) Diisopropyl ether	6.216	45	266618	53.301	ug/l #	90
23) Vinyl Acetate	6.152	43	604766	307.489	ug/l #	87
24) 1,1-Dichloroethane	6.110	63	191026	48.423	ug/l	98
25) 2-Butanone	7.081	43	126552	266.413	ug/l #	76
26) 2,2-Dichloropropane	7.075	77	155590	48.370	ug/l	91
27) cis-1,2-Dichloroethene	7.075	96	132606	48.829	ug/l	85
28) Bromochloromethane	7.416	49	62534	47.540	ug/l #	63
29) Tetrahydrofuran	7.440	42	70643	255.147	ug/l #	68
30) Chloroform	7.593	83	211916	50.233	ug/l	99
31) Cyclohexane	7.875	56	125982	43.322	ug/l #	81
32) 1,1,1-Trichloroethane	7.787	97	161316	47.983	ug/l	96
36) 1,1-Dichloropropene	8.004	75	141309	46.081	ug/l	93
37) Ethyl Acetate	7.169	43	45087	42.460	ug/l #	78
38) Carbon Tetrachloride	7.993	117	128032	46.223	ug/l	98
39) Methylcyclohexane	9.275	83	152540	43.206	ug/l	93
40) Benzene	8.252	78	460483	46.707	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	28022	48.127	ug/l #	70
42) 1,2-Dichloroethane	8.322	62	113285	48.580	ug/l	92
43) Isopropyl Acetate	8.357	43	91493	46.124	ug/l #	82
44) Trichloroethene	9.028	130	125381	45.126	ug/l	94
45) 1,2-Dichloropropane	9.304	63	117285	48.229	ug/l	95
46) Dibromomethane	9.393	93	63324	46.456	ug/l	92
47) Bromodichloromethane	9.587	83	159976	48.833	ug/l	94
48) Methyl methacrylate	9.375	41	43751	49.835	ug/l #	63
49) 1,4-Dioxane	9.387	88	13718	941.112	ug/l #	80
51) 4-Methyl-2-Pentanone	10.157	43	267103	253.182	ug/l #	80
52) Toluene	10.334	92	298739	48.516	ug/l	94
53) t-1,3-Dichloropropene	10.551	75	145776	49.372	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	177403	49.234	ug/l #	77
55) 1,1,2-Trichloroethane	10.734	97	96672	49.456	ug/l	90
56) Ethyl methacrylate	10.598	69	97891	49.823	ug/l #	70
57) 1,3-Dichloropropane	10.881	76	149993	48.910	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	233118	247.286	ug/l	92
59) 2-Hexanone	10.922	43	198741	267.124	ug/l	77
60) Dibromochloromethane	11.075	129	109537	49.837	ug/l	97
61) 1,2-Dibromoethane	11.181	107	84227	48.439	ug/l	97
64) Tetrachloroethene	10.810	164	99077	41.867	ug/l	95
65) Chlorobenzene	11.604	112	326436	46.593	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	116396	48.276	ug/l	95
67) Ethyl Benzene	11.687	91	546153	48.785	ug/l	96
68) m/p-Xylenes	11.793	106	456627	99.800	ug/l	90
69) o-Xylene	12.122	106	206233	49.398	ug/l	93
70) Styrene	12.134	104	375316	51.851	ug/l	94
71) Bromoform	12.298	173	62215	45.875	ug/l #	99
73) Isopropylbenzene	12.422	105	515238	46.987	ug/l	97
74) N-amyl acetate	12.234	43	86946	44.515	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.675	83	105275	44.669	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	70477m	48.585	ug/l	
77) Bromobenzene	12.704	156	136712	46.515	ug/l	88
78) n-propylbenzene	12.763	91	640698	46.941	ug/l	97
79) 2-Chlorotoluene	12.851	91	348008	46.069	ug/l	92
80) 1,3,5-Trimethylbenzene	12.904	105	435007	47.853	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	31358	45.350	ug/l #	74
82) 4-Chlorotoluene	12.951	91	368308	45.837	ug/l	93
83) tert-Butylbenzene	13.169	119	362419	47.175	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	438303	48.415	ug/l	93
85) sec-Butylbenzene	13.345	105	566947	47.353	ug/l	97
86) p-Isopropyltoluene	13.463	119	468587	47.831	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	278245	46.823	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	273069	46.408	ug/l	97
89) n-Butylbenzene	13.792	91	429962	46.572	ug/l	99
90) Hexachloroethane	14.051	117	91458	45.385	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	242000	46.405	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13290	43.430	ug/l	80
93) 1,2,4-Trichlorobenzene	15.098	180	133142	43.891	ug/l	96
94) Hexachlorobutadiene	15.204	225	62160	40.190	ug/l	99
95) Naphthalene	15.333	128	254588	45.169	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	118511	42.957	ug/l	98

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

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