

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020923\
 Data File : VD075287.D
 Acq On : 09 Feb 2023 11:35
 Operator : KP/SY
 Sample : VD0209SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0209SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/10/2023
 Supervised By :Mahesh Dadoda 02/10/2023

Quant Time: Feb 10 01:59:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	48986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	83843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	76325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	38678	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	29689	51.687	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.380%			
35) Dibromofluoromethane	7.804	113	29528	50.226	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.460%			
50) Toluene-d8	10.269	98	109541	49.131	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.260%			
62) 4-Bromofluorobenzene	12.575	95	36056	49.045	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.080%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	10071	23.650	ug/l	93
3) Chloromethane	2.146	50	16359	20.847	ug/l	98
4) Vinyl Chloride	2.281	62	15974	19.601	ug/l	100
5) Bromomethane	2.681	94	10362	19.872	ug/l	97
6) Chloroethane	2.834	64	11188	19.900	ug/l	100
7) Trichlorofluoromethane	3.175	101	20773	20.500	ug/l	91
8) Diethyl Ether	3.593	74	5438	19.963	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.963	101	12021	20.905	ug/l	98
10) Methyl Iodide	4.163	142	12330	19.345	ug/l	95
11) Tert butyl alcohol	5.069	59	3160m	85.406	ug/l	
12) 1,1-Dichloroethene	3.934	96	11476	20.931	ug/l	95
13) Acrolein	3.793	56	2930	148.355	ug/l	92
14) Allyl chloride	4.557	41	19398	21.265	ug/l	96
15) Acrylonitrile	5.263	53	13210	99.658	ug/l	98
16) Acetone	4.022	43	15075	99.254	ug/l	91
17) Carbon Disulfide	4.275	76	35199	20.810	ug/l	96
18) Methyl Acetate	4.557	43	8557	19.445	ug/l #	89
19) Methyl tert-butyl Ether	5.316	73	26295	20.889	ug/l	91
20) Methylene Chloride	4.804	84	16731	22.872	ug/l #	92
21) trans-1,2-Dichloroethene	5.316	96	12901	20.794	ug/l	95
22) Diisopropyl ether	6.222	45	38307	21.112	ug/l	98
23) Vinyl Acetate	6.157	43	45435	86.400	ug/l	99
24) 1,1-Dichloroethane	6.116	63	23735	20.982	ug/l	99
25) 2-Butanone	7.087	43	17961	95.438	ug/l	98
26) 2,2-Dichloropropane	7.069	77	18738	18.714	ug/l	99
27) cis-1,2-Dichloroethene	7.087	96	15037	21.663	ug/l	99
28) Bromochloromethane	7.434	49	7139	23.163	ug/l #	94
29) Tetrahydrofuran	7.451	42	10270	101.341	ug/l	99
30) Chloroform	7.598	83	25387	21.804	ug/l	96
31) Cyclohexane	7.881	56	19856	19.468	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	21854	20.983	ug/l	99
36) 1,1-Dichloropropene	8.010	75	17920	19.567	ug/l	97
37) Ethyl Acetate	7.169	43	7946	19.894	ug/l #	92
38) Carbon Tetrachloride	7.987	117	16470	19.408	ug/l	91
39) Methylcyclohexane	9.281	83	20303	19.153	ug/l	94
40) Benzene	8.251	78	53103	20.631	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	4780	20.062	ug/l	88
42) 1,2-Dichloroethane	8.328	62	15194	20.389	ug/l	99
43) Isopropyl Acetate	8.357	43	14517	19.021	ug/l #	83
44) Trichloroethene	9.028	130	13850	19.520	ug/l	98
45) 1,2-Dichloropropane	9.304	63	13587	20.785	ug/l	92
46) Dibromomethane	9.398	93	7202	19.881	ug/l	97
47) Bromodichloromethane	9.587	83	18074	20.047	ug/l	94
48) Methyl methacrylate	9.381	41	7590	20.941	ug/l	90
49) 1,4-Dioxane	9.387	88	1292	385.461	ug/l	97
51) 4-Methyl-2-Pentanone	10.163	43	37481	97.143	ug/l	95
52) Toluene	10.334	92	33347	20.569	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	15055	19.278	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	18668	19.994	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	9768	21.123	ug/l	93
56) Ethyl methacrylate	10.598	69	10937	20.344	ug/l	97
57) 1,3-Dichloropropane	10.881	76	16223	20.594	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.875	63	14254	101.798	ug/l	100
59) 2-Hexanone	10.922	43	26628	94.464	ug/l	97
60) Dibromochloromethane	11.075	129	12117	21.149	ug/l	97
61) 1,2-Dibromoethane	11.181	107	9155	20.532	ug/l	99
64) Tetrachloroethene	10.810	164	11617	19.762	ug/l	97
65) Chlorobenzene	11.610	112	35837	20.820	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	12725	20.306	ug/l	98
67) Ethyl Benzene	11.686	91	62714	19.735	ug/l	99
68) m/p-Xylenes	11.792	106	49445	40.905	ug/l	98
69) o-Xylene	12.122	106	23002	20.372	ug/l	97
70) Styrene	12.134	104	39464	20.633	ug/l	100
71) Bromoform	12.304	173	6818	20.255	ug/l #	98
73) Isopropylbenzene	12.422	105	61927	19.764	ug/l	97
74) N-amyl acetate	12.239	43	13173	18.709	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	11093	20.349	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	8387m	19.091	ug/l	
77) Bromobenzene	12.704	156	14181	19.987	ug/l	94
78) n-propylbenzene	12.769	91	77514	19.881	ug/l	99
79) 2-Chlorotoluene	12.851	91	42447	19.848	ug/l	99
80) 1,3,5-Trimethylbenzene	12.910	105	52356	20.068	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	2422	19.240	ug/l	93
82) 4-Chlorotoluene	12.951	91	45206	20.264	ug/l	98
83) tert-Butylbenzene	13.169	119	42265	18.791	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	50454	19.362	ug/l	96
85) sec-Butylbenzene	13.345	105	67249	19.490	ug/l	97
86) p-Isopropyltoluene	13.463	119	56167	19.899	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	29015	20.232	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	29768	20.744	ug/l	98
89) n-Butylbenzene	13.792	91	53240	19.321	ug/l	99
90) Hexachloroethane	14.057	117	10674	19.182	ug/l	100
91) 1,2-Dichlorobenzene	13.833	146	24974	20.070	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1728	20.437	ug/l	89
93) 1,2,4-Trichlorobenzene	15.104	180	15184	19.484	ug/l	99
94) Hexachlorobutadiene	15.210	225	7705	18.739	ug/l	98
95) Naphthalene	15.333	128	27795	19.162	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	13236	19.685	ug/l	100

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

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