

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD013123\
 Data File : VD075249.D
 Acq On : 31 Jan 2023 11:43
 Operator : KP/SY
 Sample : VD0131SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/01/2023
 Supervised By :Mahesh Dadoda 02/01/2023

Quant Time: Feb 01 00:40:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 19 01:32:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	55660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	94967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	86041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	42080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	32833	57.808	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.620%			
35) Dibromofluoromethane	7.810	113	32618	56.840	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.680%			
50) Toluene-d8	10.269	98	122689	54.299	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.600%			
62) 4-Bromofluorobenzene	12.575	95	39394	54.936	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.880%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	11905	25.828	ug/l	96
3) Chloromethane	2.146	50	17424	24.234	ug/l	94
4) Vinyl Chloride	2.281	62	18387	23.833	ug/l	95
5) Bromomethane	2.681	94	11585	22.080	ug/l	94
6) Chloroethane	2.834	64	11979	22.393	ug/l	96
7) Trichlorofluoromethane	3.169	101	23416	23.878	ug/l	98
8) Diethyl Ether	3.587	74	6103	19.315	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.969	101	13896	22.954	ug/l	96
10) Methyl Iodide	4.163	142	14727	18.071	ug/l	96
11) Tert butyl alcohol	5.052	59	3680	92.875	ug/l #	89
12) 1,1-Dichloroethene	3.946	96	13054	20.483	ug/l	89
13) Acrolein	3.799	56	3622	92.882	ug/l	88
14) Allyl chloride	4.558	41	20972	20.276	ug/l	92
15) Acrylonitrile	5.258	53	15162	113.483	ug/l	97
16) Acetone	4.022	43	15821	105.615	ug/l	99
17) Carbon Disulfide	4.269	76	42490	20.555	ug/l	97
18) Methyl Acetate	4.563	43	9223	22.651	ug/l	92
19) Methyl tert-butyl Ether	5.316	73	28861	21.678	ug/l	99
20) Methylene Chloride	4.805	84	18360	18.588	ug/l	90
21) trans-1,2-Dichloroethene	5.316	96	15122	21.314	ug/l	98
22) Diisopropyl ether	6.210	45	40732	21.158	ug/l #	96
23) Vinyl Acetate	6.157	43	91863m	108.270	ug/l	
24) 1,1-Dichloroethane	6.105	63	26784	22.139	ug/l	96
25) 2-Butanone	7.081	43	20026	110.611	ug/l	97
26) 2,2-Dichloropropane	7.075	77	23511	21.801	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	16664	21.547	ug/l	98
28) Bromochloromethane	7.440	49	7648	23.154	ug/l #	100
29) Tetrahydrofuran	7.440	42	11619	112.518	ug/l	98
30) Chloroform	7.599	83	27237	22.577	ug/l	98
31) Cyclohexane	7.875	56	23769	20.866	ug/l	94
32) 1,1,1-Trichloroethane	7.799	97	23221	22.341	ug/l	96
36) 1,1-Dichloropropene	8.010	75	20110	21.811	ug/l	99
37) Ethyl Acetate	7.169	43	8153	21.949	ug/l #	94
38) Carbon Tetrachloride	7.987	117	18208	23.455	ug/l	97
39) Methylcyclohexane	9.275	83	23779	20.928	ug/l	97
40) Benzene	8.251	78	58303	22.174	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	3980	17.806	ug/l	88
42) 1,2-Dichloroethane	8.322	62	16370	23.701	ug/l	100
43) Isopropyl Acetate	8.357	43	15905	22.003	ug/l #	81
44) Trichloroethene	9.028	130	16116	21.796	ug/l	92
45) 1,2-Dichloropropane	9.304	63	14463	22.330	ug/l	95
46) Dibromomethane	9.393	93	8334	24.398	ug/l	92
47) Bromodichloromethane	9.587	83	19435	22.934	ug/l	98
48) Methyl methacrylate	9.381	41	8007	22.652	ug/l	95
49) 1,4-Dioxane	9.387	88	1491	457.220	ug/l	88
51) 4-Methyl-2-Pentanone	10.157	43	41065	118.301	ug/l	95
52) Toluene	10.334	92	36667	22.067	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	18429	22.986	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	20965	21.403	ug/l	93
55) 1,1,2-Trichloroethane	10.734	97	10328	22.847	ug/l	93
56) Ethyl methacrylate	10.598	69	12198	22.438	ug/l	98
57) 1,3-Dichloropropane	10.881	76	17600	22.657	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	23019	123.743	ug/l	99
59) 2-Hexanone	10.922	43	30276	120.626	ug/l	93
60) Dibromochloromethane	11.075	129	12824	23.536	ug/l	100
61) 1,2-Dibromoethane	11.181	107	10052	23.273	ug/l	100
64) Tetrachloroethene	10.810	164	13758	22.392	ug/l	90
65) Chlorobenzene	11.610	112	38261	21.701	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	13603	22.938	ug/l	97
67) Ethyl Benzene	11.687	91	69238	21.817	ug/l	97
68) m/p-Xylenes	11.798	106	54166	44.182	ug/l	100
69) o-Xylene	12.122	106	24749	21.521	ug/l	95
70) Styrene	12.140	104	43356	22.679	ug/l	99
71) Bromoform	12.304	173	7143	23.327	ug/l #	97
73) Isopropylbenzene	12.422	105	67098	20.187	ug/l	98
74) N-amyl acetate	12.239	43	13720	18.843	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	11844	22.365	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	7391m	20.739	ug/l	
77) Bromobenzene	12.704	156	14875	19.593	ug/l	92
78) n-propylbenzene	12.769	91	83965	20.557	ug/l	99
79) 2-Chlorotoluene	12.851	91	46236	20.582	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	56998	20.930	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.475	75	3263	21.238	ug/l	99
82) 4-Chlorotoluene	12.951	91	49258	21.327	ug/l	100
83) tert-Butylbenzene	13.169	119	49476	20.997	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	56012	20.944	ug/l	96
85) sec-Butylbenzene	13.351	105	75460	21.081	ug/l	97
86) p-Isopropyltoluene	13.463	119	60934	20.793	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	32035	21.768	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	31559	21.796	ug/l	100
89) n-Butylbenzene	13.792	91	58240	20.395	ug/l	99
90) Hexachloroethane	14.051	117	11522	22.265	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	27059	21.491	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.457	75	1772	21.884	ug/l	99
93) 1,2,4-Trichlorobenzene	15.104	180	16570	20.041	ug/l	99
94) Hexachlorobutadiene	15.204	225	8211	20.264	ug/l	99
95) Naphthalene	15.333	128	29276	17.787	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	14118	20.012	ug/l	99

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

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