

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077966.D
 Acq On : 19 Dec 2023 11:25
 Operator : RP/MD
 Sample : VD1219SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/20/2023
 Supervised By :Semsettin Yesilyurt 12/20/2023

Quant Time: Dec 20 02:00:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	126930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	207752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	190444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	98565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	80817	54.033	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.060%			
35) Dibromofluoromethane	7.805	113	86409	59.378	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.760%			
50) Toluene-d8	10.269	98	341649	58.618	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 117.240%			
62) 4-Bromofluorobenzene	12.575	95	100051	57.417	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 114.840%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	32175	20.293	ug/l	98
3) Chloromethane	2.152	50	43105	19.945	ug/l	96
4) Vinyl Chloride	2.293	62	61248	20.875	ug/l	99
5) Bromomethane	2.693	94	44081	26.775	ug/l	100
6) Chloroethane	2.846	64	43147	21.570	ug/l	96
7) Trichlorofluoromethane	3.181	101	56193	20.795	ug/l	97
8) Diethyl Ether	3.593	74	14358	18.922	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.970	101	32207	20.834	ug/l	95
10) Methyl Iodide	4.170	142	27335	24.197	ug/l	91
11) Tert butyl alcohol	5.052	59	7141m	92.021	ug/l	
12) 1,1-Dichloroethene	3.946	96	30869	20.232	ug/l	85
13) Acrolein	3.805	56	11015	69.620	ug/l	92
14) Allyl chloride	4.564	41	37168	17.712	ug/l	90
15) Acrylonitrile	5.258	53	30515	93.928	ug/l	96
16) Acetone	4.028	43	43213	116.883	ug/l #	78
17) Carbon Disulfide	4.281	76	84911	16.450	ug/l	97
18) Methyl Acetate	4.564	43	22034	18.706	ug/l	93
19) Methyl tert-butyl Ether	5.322	73	64723	19.994	ug/l	99
20) Methylene Chloride	4.811	84	40224	19.781	ug/l	92
21) trans-1,2-Dichloroethene	5.316	96	33615	19.451	ug/l	84
22) Diisopropyl ether	6.216	45	81892	18.675	ug/l	93
23) Vinyl Acetate	6.158	43	193261	90.249	ug/l	95
24) 1,1-Dichloroethane	6.122	63	60320	20.312	ug/l	94
25) 2-Butanone	7.087	43	47807	107.733	ug/l	98
26) 2,2-Dichloropropane	7.081	77	52927	21.228	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	38234	20.561	ug/l	90
28) Bromochloromethane	7.428	49	24000	20.001	ug/l	82
29) Tetrahydrofuran	7.452	42	21076	88.490	ug/l	89
30) Chloroform	7.599	83	62800	21.130	ug/l	95
31) Cyclohexane	7.875	56	48247	18.136	ug/l	92
32) 1,1,1-Trichloroethane	7.805	97	55163	21.054	ug/l	98
36) 1,1-Dichloropropene	8.010	75	47509	20.410	ug/l	96
37) Ethyl Acetate	7.169	43	14748	16.249	ug/l	99
38) Carbon Tetrachloride	7.999	117	48786	21.023	ug/l #	95
39) Methylcyclohexane	9.275	83	52333	18.965	ug/l	95
40) Benzene	8.258	78	136227	20.620	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	7812	16.934	ug/l #	82
42) 1,2-Dichloroethane	8.328	62	36250	21.168	ug/l	95
43) Isopropyl Acetate	8.363	43	30133	18.676	ug/l	96
44) Trichloroethene	9.034	130	37090	21.543	ug/l	94
45) 1,2-Dichloropropane	9.310	63	33195	20.669	ug/l	96
46) Dibromomethane	9.393	93	17969	21.146	ug/l	93
47) Bromodichloromethane	9.587	83	47742	22.165	ug/l	99
48) Methyl methacrylate	9.381	41	17125	18.672	ug/l #	84
49) 1,4-Dioxane	9.387	88	3563	422.256	ug/l #	83
51) 4-Methyl-2-Pentanone	10.163	43	78474	95.301	ug/l	91
52) Toluene	10.340	92	86721	21.161	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	41759	20.189	ug/l	98
54) cis-1,3-Dichloropropene	10.022	75	52450	20.974	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	25881	22.266	ug/l	97
56) Ethyl methacrylate	10.599	69	19956	19.476	ug/l #	86
57) 1,3-Dichloropropane	10.887	76	42478	21.201	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.875	63	39257	67.182	ug/l	94
59) 2-Hexanone	10.922	43	67649	99.024	ug/l	90
60) Dibromochloromethane	11.075	129	30946	22.113	ug/l	100
61) 1,2-Dibromoethane	11.181	107	23286	21.282	ug/l	99
64) Tetrachloroethene	10.810	164	28653	20.470	ug/l	84
65) Chlorobenzene	11.610	112	91373	19.209	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	33372	21.073	ug/l	98
67) Ethyl Benzene	11.687	91	164315	20.724	ug/l	94
68) m/p-Xylenes	11.799	106	124693	41.115	ug/l	89
69) o-Xylene	12.122	106	59001	21.109	ug/l	97
70) Styrene	12.140	104	88276	21.240	ug/l	96
71) Bromoform	12.298	173	18524	22.386	ug/l #	96
73) Isopropylbenzene	12.422	105	157646	21.103	ug/l	96
74) N-amyl acetate	12.240	43	26656	18.152	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.675	83	27833	21.368	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	20041m	23.411	ug/l	
77) Bromobenzene	12.704	156	35455	20.178	ug/l	89
78) n-propylbenzene	12.763	91	193382	21.244	ug/l	96
79) 2-Chlorotoluene	12.851	91	102928	21.099	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	130645	20.968	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.475	75	8652	20.477	ug/l	97
82) 4-Chlorotoluene	12.951	91	107580	21.095	ug/l	97
83) tert-Butylbenzene	13.169	119	112474	21.383	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	131090	21.036	ug/l	97
85) sec-Butylbenzene	13.345	105	171480	22.055	ug/l	96
86) p-Isopropyltoluene	13.463	119	147531	21.193	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	74437	20.716	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	77225	20.587	ug/l	98
89) n-Butylbenzene	13.793	91	141731	21.637	ug/l	97
90) Hexachloroethane	14.057	117	28871	22.552	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	64965	21.258	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.457	75	4023	20.748	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	40952	19.618	ug/l	97
94) Hexachlorobutadiene	15.210	225	22683	20.151	ug/l	98
95) Naphthalene	15.334	128	67564	19.481	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	33889	19.693	ug/l	99

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

