

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077969.D
 Acq On : 19 Dec 2023 12:54
 Operator : RP/MD
 Sample : VD1219SBS02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBS02

Manual Integrations
 APPROVED

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

Quant Time: Dec 20 02:02:50 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	127779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	221227	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	199119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	106082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	70634	46.911	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.820%		
35) Dibromofluoromethane	7.810	113	77756	50.178	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.360%		
50) Toluene-d8	10.269	98	302367	48.718	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.440%		
62) 4-Bromofluorobenzene	12.575	95	91027	49.056	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	33697	21.111	ug/l	100
3) Chloromethane	2.152	50	45595	20.957	ug/l	98
4) Vinyl Chloride	2.293	62	63769	21.590	ug/l	94
5) Bromomethane	2.699	94	43951	26.519	ug/l	99
6) Chloroethane	2.840	64	46896	23.289	ug/l	98
7) Trichlorofluoromethane	3.181	101	59495	21.871	ug/l	91
8) Diethyl Ether	3.593	74	15732	20.596	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.964	101	36511	23.461	ug/l	96
10) Methyl Iodide	4.164	142	31297	26.594	ug/l	96
11) Tert butyl alcohol	5.040	59	8536m	111.479	ug/l	
12) 1,1-Dichloroethene	3.952	96	32530	21.179	ug/l #	91
13) Acrolein	3.799	56	11045	69.346	ug/l	98
14) Allyl chloride	4.569	41	40376	19.113	ug/l	94
15) Acrylonitrile	5.264	53	34097	104.256	ug/l	99
16) Acetone	4.022	43	45765	124.842	ug/l	87
17) Carbon Disulfide	4.275	76	85629	16.479	ug/l	96
18) Methyl Acetate	4.564	43	23080	19.463	ug/l	91
19) Methyl tert-butyl Ether	5.328	73	69140	21.217	ug/l	97
20) Methylene Chloride	4.805	84	43514	21.657	ug/l	95
21) trans-1,2-Dichloroethene	5.316	96	35669	20.503	ug/l	91
22) Diisopropyl ether	6.216	45	88372	20.019	ug/l #	90
23) Vinyl Acetate	6.158	43	210403	97.601	ug/l	93
24) 1,1-Dichloroethane	6.116	63	64946	21.725	ug/l	98
25) 2-Butanone	7.081	43	51523	116.463	ug/l	91
26) 2,2-Dichloropropane	7.087	77	55020	21.921	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	41342	22.085	ug/l	91
28) Bromochloromethane	7.434	49	21377	17.696	ug/l	86
29) Tetrahydrofuran	7.446	42	22400	93.424	ug/l	94
30) Chloroform	7.599	83	66277	22.152	ug/l	96
31) Cyclohexane	7.881	56	50175	18.735	ug/l	90
32) 1,1,1-Trichloroethane	7.793	97	57191	21.683	ug/l	98
36) 1,1-Dichloropropene	8.016	75	49774	20.081	ug/l	96
37) Ethyl Acetate	7.169	43	16885	17.470	ug/l #	94
38) Carbon Tetrachloride	7.993	117	51828	20.974	ug/l	95
39) Methylcyclohexane	9.275	83	56235	19.137	ug/l	99
40) Benzene	8.252	78	144902	20.597	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	9834	20.019	ug/l #	89
42) 1,2-Dichloroethane	8.328	62	38674	21.208	ug/l	97
43) Isopropyl Acetate	8.363	43	31978	18.613	ug/l	94
44) Trichloroethene	9.034	130	36882	20.117	ug/l	90
45) 1,2-Dichloropropane	9.304	63	36877	21.563	ug/l	94
46) Dibromomethane	9.399	93	18759	20.731	ug/l	93
47) Bromodichloromethane	9.587	83	49388	21.533	ug/l	87
48) Methyl methacrylate	9.381	41	18596	19.041	ug/l	81
49) 1,4-Dioxane	9.387	88	3760	418.461	ug/l #	74
51) 4-Methyl-2-Pentanone	10.157	43	84851	96.769	ug/l	91
52) Toluene	10.334	92	91657	21.003	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	45797	20.793	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	54837	20.593	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	27472	22.195	ug/l	97
56) Ethyl methacrylate	10.599	69	22147	20.298	ug/l #	86
57) 1,3-Dichloropropane	10.881	76	45740	21.439	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	43970	70.664	ug/l	93
59) 2-Hexanone	10.922	43	72469	99.618	ug/l	91
60) Dibromochloromethane	11.075	129	33937	22.773	ug/l	96
61) 1,2-Dibromoethane	11.181	107	25717	22.072	ug/l	98
64) Tetrachloroethene	10.816	164	29921	20.445	ug/l	90
65) Chlorobenzene	11.610	112	97542	19.653	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	35057	21.172	ug/l	99
67) Ethyl Benzene	11.687	91	173344	20.910	ug/l	94
68) m/p-Xylenes	11.793	106	135073	42.597	ug/l	94
69) o-Xylene	12.122	106	62707	21.457	ug/l	95
70) Styrene	12.140	104	94008	21.634	ug/l	94
71) Bromoform	12.298	173	19259	22.260	ug/l #	99
73) Isopropylbenzene	12.422	105	165239	20.552	ug/l	96
74) N-amyl acetate	12.234	43	29530	18.685	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	30785	21.960	ug/l	100
76) 1,2,3-Trichloropropane	12.728	75	17596m	19.099	ug/l	
77) Bromobenzene	12.704	156	39191	20.724	ug/l	93
78) n-propylbenzene	12.763	91	203401	20.761	ug/l	97
79) 2-Chlorotoluene	12.851	91	110700	21.084	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	141901	21.161	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.475	75	9724	21.384	ug/l	97
82) 4-Chlorotoluene	12.951	91	116359	21.199	ug/l	96
83) tert-Butylbenzene	13.169	119	120465	21.279	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	139426	20.788	ug/l	98
85) sec-Butylbenzene	13.345	105	184590	22.059	ug/l	96
86) p-Isopropyltoluene	13.463	119	155384	20.740	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	81938	21.187	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	83852	20.785	ug/l	98
89) n-Butylbenzene	13.787	91	146260	20.747	ug/l	99
90) Hexachloroethane	14.057	117	31401	22.790	ug/l	100
91) 1,2-Dichlorobenzene	13.834	146	70858	21.543	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4267	20.432	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	42410	18.877	ug/l	99
94) Hexachlorobutadiene	15.204	225	24655	20.351	ug/l	99
95) Naphthalene	15.334	128	72327	19.376	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	37056	20.007	ug/l	99

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

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