

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121121\
 Data File : VD071265.D
 Acq On : 11 Dec 2021 12:53
 Operator : VA/SY
 Sample : VD1211SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/12/2021
 Supervised By : Amit Patel 12/13/2021

Quant Time: Dec 12 17:50:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	216000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	361543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	335243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	162634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	130641	51.545	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.080%			
35) Dibromofluoromethane	7.914	113	121389	52.726	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.460%			
50) Toluene-d8	10.332	98	413574	47.205	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.400%			
62) 4-Bromofluorobenzene	12.626	95	154335	50.818	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	37146	20.166	ug/l	92
3) Chloromethane	2.209	50	55157	22.634	ug/l	91
4) Vinyl Chloride	2.350	62	62794	23.097	ug/l	100
5) Bromomethane	2.762	94	43255	22.070	ug/l	90
6) Chloroethane	2.920	64	43542	23.286	ug/l	93
7) Trichlorofluoromethane	3.267	101	73849	20.051	ug/l	99
8) Diethyl Ether	3.709	74	18866	18.895	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.103	101	41675	19.180	ug/l	96
10) Methyl Iodide	4.303	142	28008	14.637	ug/l	94
11) Tert butyl alcohol	5.185	59	30563	164.837	ug/l #	71
12) 1,1-Dichloroethene	4.061	96	36066	17.986	ug/l	91
13) Acrolein	3.926	56	16331	94.290	ug/l	98
14) Allyl chloride	4.720	41	68801	18.064	ug/l #	82
15) Acrylonitrile	5.420	53	50394	103.782	ug/l	94
16) Acetone	4.156	43	50190	96.185	ug/l	91
17) Carbon Disulfide	4.409	76	103535	17.635	ug/l	97
18) Methyl Acetate	4.720	43	41998	22.459	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	92641	18.852	ug/l	95
20) Methylene Chloride	4.967	84	61666	21.752	ug/l	95
21) trans-1,2-Dichloroethene	5.467	96	42084	18.644	ug/l	92
22) Diisopropyl ether	6.361	45	144069	18.879	ug/l	92
23) Vinyl Acetate	6.303	43	334248	99.397	ug/l	100
24) 1,1-Dichloroethane	6.261	63	86247	19.650	ug/l	96
25) 2-Butanone	7.214	43	68384	106.356	ug/l	90
26) 2,2-Dichloropropane	7.208	77	66718	16.716	ug/l	98
27) cis-1,2-Dichloroethene	7.202	96	48275	18.904	ug/l	91
28) Bromochloromethane	7.544	49	44440	23.311	ug/l	90
29) Tetrahydrofuran	7.561	42	42813	106.380	ug/l	94
30) Chloroform	7.708	83	87402	19.842	ug/l	96
31) Cyclohexane	7.979	56	75033	17.404	ug/l #	92
32) 1,1,1-Trichloroethane	7.897	97	76366	19.309	ug/l	94
36) 1,1-Dichloropropene	8.114	75	64618	19.123	ug/l	96
37) Ethyl Acetate	7.297	43	32371	22.177	ug/l #	92
38) Carbon Tetrachloride	8.097	117	64005	19.215	ug/l	98
39) Methylcyclohexane	9.349	83	68830	16.935	ug/l	92
40) Benzene	8.344	78	175841	19.158	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	15774	24.097	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	58635	20.928	ug/l	93
43) Isopropyl Acetate	8.449	43	57203	21.173	ug/l	94
44) Trichloroethene	9.108	130	45590	18.629	ug/l	98
45) 1,2-Dichloropropane	9.379	63	46283	19.174	ug/l	92
46) Dibromomethane	9.473	93	24995	19.959	ug/l	94
47) Bromodichloromethane	9.655	83	65118	19.662	ug/l #	99
48) Methyl methacrylate	9.449	41	30414	21.287	ug/l #	81
49) 1,4-Dioxane	9.461	88	5236	433.130	ug/l #	84
51) 4-Methyl-2-Pentanone	10.220	43	153914	112.698	ug/l	89
52) Toluene	10.396	92	112055	19.241	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	55382	18.188	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	66976	18.517	ug/l #	82
55) 1,1,2-Trichloroethane	10.796	97	33768	20.554	ug/l	95
56) Ethyl methacrylate	10.655	69	40059	20.886	ug/l #	78
57) 1,3-Dichloropropane	10.938	76	57551	19.941	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	140150	125.365	ug/l	100
59) 2-Hexanone	10.979	43	105562	107.919	ug/l	87
60) Dibromochloromethane	11.132	129	41713	20.429	ug/l	99
61) 1,2-Dibromoethane	11.243	107	31389	19.894	ug/l	100
64) Tetrachloroethene	10.873	164	37456	17.599	ug/l	95
65) Chlorobenzene	11.661	112	117319	18.861	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.732	131	42852	18.868	ug/l	99
67) Ethyl Benzene	11.738	91	210295	17.959	ug/l	96
68) m/p-Xylenes	11.849	106	160483	36.302	ug/l	99
69) o-Xylene	12.179	106	73524	17.695	ug/l	99
70) Styrene	12.185	104	125643	17.942	ug/l	96
71) Bromoform	12.349	173	23371	19.863	ug/l #	100
73) Isopropylbenzene	12.473	105	201376	17.100	ug/l	99
74) N-amyl acetate	12.279	43	50500	19.578	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	38686	19.949	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	27926m	18.023	ug/l	
77) Bromobenzene	12.749	156	44846	17.582	ug/l	96
78) n-propylbenzene	12.808	91	251145	17.125	ug/l	98
79) 2-Chlorotoluene	12.902	91	142402	17.301	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	163050	16.791	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	10115	19.278	ug/l #	69
82) 4-Chlorotoluene	12.996	91	148770	17.410	ug/l	97
83) tert-Butylbenzene	13.214	119	140636	16.864	ug/l	94
84) 1,2,4-Trimethylbenzene	13.261	105	162153	17.104	ug/l	99
85) sec-Butylbenzene	13.390	105	218848	17.181	ug/l	99
86) p-Isopropyltoluene	13.508	119	174669	16.766	ug/l	96
87) 1,3-Dichlorobenzene	13.508	146	91486	18.018	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	90497	17.990	ug/l	95
89) n-Butylbenzene	13.832	91	170959	16.810	ug/l	99
90) Hexachloroethane	14.096	117	36139	18.299	ug/l	92
91) 1,2-Dichlorobenzene	13.879	146	81560	18.889	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.484	75	6728	21.304	ug/l	90
93) 1,2,4-Trichlorobenzene	15.143	180	45080	16.737	ug/l	98
94) Hexachlorobutadiene	15.249	225	26509	17.395	ug/l	98
95) Naphthalene	15.384	128	82985	17.478	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	39668	17.340	ug/l	100

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

