

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101321\
 Data File : VD070694.D
 Acq On : 13 Oct 2021 13:31
 Operator : VA/SY
 Sample : VD1013SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Manual Integrations
 APPROVED

Quant Time: Oct 14 04:02:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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10/19/2021 12:38:02 PM

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	358667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	625006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	588343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	284149	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	204090	48.351	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.700%
35) Dibromofluoromethane	7.914	113	218557	52.596	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.200%
50) Toluene-d8	10.332	98	838246	52.768	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.540%
62) 4-Bromofluorobenzene	12.620	95	292236	55.042	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	110.080%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.985	85	82438	18.845	ug/l	98
3) Chloromethane	2.208	50	101366	18.663	ug/l	99
4) Vinyl Chloride	2.350	62	120162	19.964	ug/l	99
5) Bromomethane	2.750	94	75143	18.292	ug/l	97
6) Chloroethane	2.914	64	67263	17.502	ug/l	92
7) Trichlorofluoromethane	3.267	101	156141	20.017	ug/l	100
8) Diethyl Ether	3.708	74	37986	18.717	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	95854	20.276	ug/l	99
10) Methyl Iodide	4.297	142	75791	16.187	ug/l	99
11) Tert butyl alcohol	5.226	59	19941	95.366	ug/l	99
12) 1,1-Dichloroethene	4.067	96	83117	19.748	ug/l	90
13) Acrolein	3.920	56	16305	81.218	ug/l	98
14) Allyl chloride	4.714	41	107853	18.409	ug/l	99
15) Acrylonitrile	5.420	53	85753	97.391	ug/l	98
16) Acetone	4.161	43	70660	98.579	ug/l	96
17) Carbon Disulfide	4.408	76	276554	17.997	ug/l	98
18) Methyl Acetate	4.714	43	54313	19.636	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	169709	20.240	ug/l	97
20) Methylene Chloride	4.961	84	108619	15.250	ug/l	95
21) trans-1,2-Dichloroethene	5.467	96	96077	19.407	ug/l	91
22) Diisopropyl ether	6.355	45	235945	19.603	ug/l	99
23) Vinyl Acetate	6.302	43	502955	91.912	ug/l	98
24) 1,1-Dichloroethane	6.261	63	167478	18.892	ug/l	98
25) 2-Butanone	7.214	43	90759	96.708	ug/l	95
26) 2,2-Dichloropropane	7.208	77	147545	20.111	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	102075	19.621	ug/l	98
28) Bromochloromethane	7.549	49	52529	17.019	ug/l	93
29) Tetrahydrofuran	7.561	42	59469	98.312	ug/l	98
30) Chloroform	7.708	83	177559	19.255	ug/l	98
31) Cyclohexane	7.985	56	150251	19.224	ug/l #	97
32) 1,1,1-Trichloroethane	7.902	97	157246	19.796	ug/l	99
36) 1,1-Dichloropropene	8.108	75	134611	20.279	ug/l	98
37) Ethyl Acetate	7.291	43	45049	20.428	ug/l	98
38) Carbon Tetrachloride	8.091	117	144414	20.789	ug/l	99
39) Methylcyclohexane	9.349	83	151573	19.857	ug/l	92
40) Benzene	8.349	78	388376	19.851	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	20788	18.278	ug/l	94
42) 1,2-Dichloroethane	8.420	62	100409	19.845	ug/l	98
43) Isopropyl Acetate	8.449	43	79121	19.580	ug/l	96
44) Trichloroethene	9.108	130	100993	20.934	ug/l	99
45) 1,2-Dichloropropane	9.379	63	97088	19.445	ug/l	97
46) Dibromomethane	9.473	93	50896	19.861	ug/l	96
47) Bromodichloromethane	9.655	83	131775	19.926	ug/l	100
48) Methyl methacrylate	9.455	41	34184	18.046	ug/l #	80
49) 1,4-Dioxane	9.455	88	10873	417.548	ug/l #	94
51) 4-Methyl-2-Pentanone	10.220	43	215284	103.263	ug/l	99
52) Toluene	10.396	92	252974	21.047	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	118595	20.490	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	141306	20.278	ug/l	97
55) 1,1,2-Trichloroethane	10.790	97	72782	20.848	ug/l	95
56) Ethyl methacrylate	10.655	69	76611	19.242	ug/l	96
57) 1,3-Dichloropropane	10.937	76	120683	20.321	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.937	63	170277	101.232	ug/l	96
59) 2-Hexanone	10.979	43	140965	90.958	ug/l	98
60) Dibromochloromethane	11.132	129	86102	20.473	ug/l	98
61) 1,2-Dibromoethane	11.237	107	66212	20.369	ug/l	100
64) Tetrachloroethene	10.873	164	82569	21.887	ug/l	90
65) Chlorobenzene	11.661	112	258502	20.605	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.737	131	92792	19.882	ug/l	96
67) Ethyl Benzene	11.737	91	441568	20.397	ug/l	100
68) m/p-Xylenes	11.843	106	365617	42.883	ug/l	98
69) o-Xylene	12.173	106	161659	21.318	ug/l	98
70) Styrene	12.184	104	288575	21.599	ug/l	98
71) Bromoform	12.349	173	45248	20.651	ug/l #	100
73) Isopropylbenzene	12.467	105	427511	20.637	ug/l	100
74) N-amyl acetate	12.278	43	76813	19.676	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	77738	19.194	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	48991m	19.049	ug/l	
77) Bromobenzene	12.749	156	98533	21.276	ug/l	92
78) n-propylbenzene	12.808	91	548343	20.917	ug/l	99
79) 2-Chlorotoluene	12.896	91	311436	20.251	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	375190	21.236	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	21316	18.401	ug/l	97
82) 4-Chlorotoluene	12.996	91	338829	21.076	ug/l	100
83) tert-Butylbenzene	13.214	119	307398	21.052	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	370452	21.074	ug/l	97
85) sec-Butylbenzene	13.390	105	477369	21.089	ug/l	98
86) p-Isopropyltoluene	13.502	119	390785	21.137	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	202483	20.820	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	203312	21.086	ug/l	100
89) n-Butylbenzene	13.831	91	368306	20.868	ug/l	100
90) Hexachloroethane	14.102	117	78279	19.583	ug/l	97
91) 1,2-Dichlorobenzene	13.878	146	173372	20.906	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	11844	20.255	ug/l	99
93) 1,2,4-Trichlorobenzene	15.143	180	97921	21.934	ug/l	98
94) Hexachlorobutadiene	15.249	225	65965	23.382	ug/l	98
95) Naphthalene	15.384	128	165520	19.944	ug/l	99
96) 1,2,3-Trichlorobenzene	15.572	180	86096	21.894	ug/l	97

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

