

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121621\
 Data File : VD071361.D
 Acq On : 16 Dec 2021 11:51
 Operator : VA/SY
 Sample : VD1216SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/17/2021
 Supervised By : Mahesh Dadoda 12/22/2021

Quant Time: Dec 16 23:46:57 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	7.973	168	259482	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	441027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	409188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	202568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	158873	52.180	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.360%			
35) Dibromofluoromethane	7.914	113	153009	54.482	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.960%			
50) Toluene-d8	10.332	98	528486	49.449	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.900%			
62) 4-Bromofluorobenzene	12.620	95	191451	51.678	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.360%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	41192	18.615	ug/l	95
3) Chloromethane	2.209	50	60656	20.720	ug/l	96
4) Vinyl Chloride	2.350	62	74178	22.712	ug/l	98
5) Bromomethane	2.762	94	51876	22.034	ug/l	82
6) Chloroethane	2.920	64	51547	22.947	ug/l	94
7) Trichlorofluoromethane	3.267	101	87936	19.875	ug/l	99
8) Diethyl Ether	3.709	74	21074	17.570	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.091	101	52796	20.226	ug/l	96
10) Methyl Iodide	4.303	142	40959	16.827	ug/l	98
11) Tert butyl alcohol	5.208	59	30525	117.393	ug/l #	82
12) 1,1-Dichloroethene	4.073	96	43977	18.256	ug/l #	79
13) Acrolein	3.926	56	16146	77.600	ug/l	97
14) Allyl chloride	4.720	41	83377	18.223	ug/l #	81
15) Acrylonitrile	5.426	53	59051	101.232	ug/l	97
16) Acetone	4.161	43	60095	95.970	ug/l #	82
17) Carbon Disulfide	4.409	76	118420	16.791	ug/l	98
18) Methyl Acetate	4.726	43	46305	20.613	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	107451	18.201	ug/l	93
20) Methylene Chloride	4.961	84	64856	18.476	ug/l	95
21) trans-1,2-Dichloroethene	5.479	96	49103	18.108	ug/l	96
22) Diisopropyl ether	6.361	45	176104	19.210	ug/l	96
23) Vinyl Acetate	6.308	43	377209	95.025	ug/l	95
24) 1,1-Dichloroethane	6.261	63	104348	19.790	ug/l	96
25) 2-Butanone	7.208	43	76815	101.291	ug/l	93
26) 2,2-Dichloropropane	7.208	77	83059	17.323	ug/l	93
27) cis-1,2-Dichloroethene	7.208	96	57084	18.608	ug/l	92
28) Bromochloromethane	7.544	49	52700	23.011	ug/l	85
29) Tetrahydrofuran	7.555	42	49481	102.345	ug/l	89
30) Chloroform	7.702	83	106100	20.050	ug/l	99
31) Cyclohexane	7.985	56	90405	17.456	ug/l	97
32) 1,1,1-Trichloroethane	7.902	97	91253	19.207	ug/l #	94
36) 1,1-Dichloropropene	8.114	75	77232	18.737	ug/l	95
37) Ethyl Acetate	7.291	43	36783	20.658	ug/l #	95
38) Carbon Tetrachloride	8.091	117	76772	18.894	ug/l	95
39) Methylcyclohexane	9.349	83	82200	16.580	ug/l	95
40) Benzene	8.349	78	211145	18.858	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	18090	22.485	ug/l #	89
42) 1,2-Dichloroethane	8.420	62	66932	19.584	ug/l	97
43) Isopropyl Acetate	8.449	43	63374	19.709	ug/l	95
44) Trichloroethene	9.108	130	55634	18.636	ug/l	90
45) 1,2-Dichloropropane	9.379	63	56839	19.304	ug/l	93
46) Dibromomethane	9.467	93	28904	18.921	ug/l	96
47) Bromodichloromethane	9.655	83	78870	19.522	ug/l	98
48) Methyl methacrylate	9.455	41	30670	17.597	ug/l #	78
49) 1,4-Dioxane	9.461	88	5639	382.398	ug/l #	71
51) 4-Methyl-2-Pentanone	10.226	43	175668	107.417	ug/l	90
52) Toluene	10.396	92	131581	18.522	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	67020	18.043	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	80921	18.341	ug/l #	84
55) 1,1,2-Trichloroethane	10.796	97	41151	20.534	ug/l	98
56) Ethyl methacrylate	10.655	69	45988	20.007	ug/l #	74
57) 1,3-Dichloropropane	10.938	76	69106	19.630	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	151998	111.459	ug/l	99
59) 2-Hexanone	10.979	43	117167	101.310	ug/l	89
60) Dibromochloromethane	11.132	129	51466	20.663	ug/l	96
61) 1,2-Dibromoethane	11.238	107	37883	19.683	ug/l	99
64) Tetrachloroethene	10.867	164	45439	17.492	ug/l	93
65) Chlorobenzene	11.667	112	140452	18.500	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	54129	19.526	ug/l	97
67) Ethyl Benzene	11.738	91	250903	17.555	ug/l	99
68) m/p-Xylenes	11.843	106	188038	34.848	ug/l	96
69) o-Xylene	12.173	106	88854	17.520	ug/l	97
70) Styrene	12.185	104	154876	18.120	ug/l	98
71) Bromoform	12.349	173	28162	19.610	ug/l #	99
73) Isopropylbenzene	12.473	105	240092	16.369	ug/l	100
74) N-amyl acetate	12.279	43	57757	18.444	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.720	83	44545	18.442	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	29825m	15.454	ug/l	
77) Bromobenzene	12.749	156	54687	17.213	ug/l	97
78) n-propylbenzene	12.808	91	310209	16.983	ug/l	99
79) 2-Chlorotoluene	12.896	91	173591	16.932	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	202501	16.742	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	12336	18.997	ug/l #	80
82) 4-Chlorotoluene	12.996	91	182015	17.101	ug/l	100
83) tert-Butylbenzene	13.214	119	175327	16.879	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	200948	17.017	ug/l	96
85) sec-Butylbenzene	13.390	105	269741	17.002	ug/l	100
86) p-Isopropyltoluene	13.502	119	214850	16.558	ug/l	95
87) 1,3-Dichlorobenzene	13.502	146	115807	18.312	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	112365	17.933	ug/l	95
89) n-Butylbenzene	13.832	91	217864	17.199	ug/l	99
90) Hexachloroethane	14.096	117	42203	17.157	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	98270	18.272	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	8102	20.597	ug/l	85
93) 1,2,4-Trichlorobenzene	15.143	180	58597	17.467	ug/l	98
94) Hexachlorobutadiene	15.249	225	32291	17.012	ug/l	96
95) Naphthalene	15.379	128	99000	16.740	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	50013	17.552	ug/l	97

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

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