

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121321\
 Data File : VD071289.D
 Acq On : 13 Dec 2021 11:26
 Operator : VA/SY
 Sample : VD1213SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Quant Time: Dec 14 08:12:34 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

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2021
 Supervised By :Mahesh Dadoda 12/15/2021

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	224483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	391255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	356968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	170917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	144440	54.836	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.680%			
35) Dibromofluoromethane	7.914	113	135415	54.351	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.700%			
50) Toluene-d8	10.332	98	459124	48.424	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.840%			
62) 4-Bromofluorobenzene	12.626	95	170055	51.742	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	37935	19.816	ug/l	95
3) Chloromethane	2.215	50	54413	21.485	ug/l	100
4) Vinyl Chloride	2.356	62	61708	21.840	ug/l	98
5) Bromomethane	2.768	94	46244	22.704	ug/l	99
6) Chloroethane	2.926	64	43289	22.275	ug/l	95
7) Trichlorofluoromethane	3.273	101	75012	19.598	ug/l	99
8) Diethyl Ether	3.709	74	19329	18.627	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.103	101	43307	19.178	ug/l	94
10) Methyl Iodide	4.309	142	30502	15.120	ug/l	94
11) Tert butyl alcohol	5.191	59	34175	185.172	ug/l #	79
12) 1,1-Dichloroethene	4.073	96	38759	18.599	ug/l	84
13) Acrolein	3.926	56	15376	85.421	ug/l	97
14) Allyl chloride	4.720	41	73002	18.443	ug/l #	78
15) Acrylonitrile	5.426	53	53535	106.084	ug/l	99
16) Acetone	4.156	43	55120	99.895	ug/l #	85
17) Carbon Disulfide	4.415	76	109945	18.019	ug/l	99
18) Methyl Acetate	4.720	43	40098	20.632	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	96470	18.889	ug/l	95
20) Methylene Chloride	4.967	84	59117	19.711	ug/l	93
21) trans-1,2-Dichloroethene	5.485	96	44588	19.007	ug/l	95
22) Diisopropyl ether	6.362	45	153985	19.416	ug/l	95
23) Vinyl Acetate	6.309	43	344973	98.898	ug/l	99
24) 1,1-Dichloroethane	6.261	63	88629	19.430	ug/l	99
25) 2-Butanone	7.209	43	69175	104.277	ug/l #	85
26) 2,2-Dichloropropane	7.209	77	72274	17.424	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	51339	19.345	ug/l	92
28) Bromochloromethane	7.550	49	44185	22.301	ug/l	90
29) Tetrahydrofuran	7.561	42	42831	102.403	ug/l	91
30) Chloroform	7.708	83	92573	20.221	ug/l	96
31) Cyclohexane	7.985	56	79064	17.646	ug/l #	90
32) 1,1,1-Trichloroethane	7.908	97	78364	19.066	ug/l #	93
36) 1,1-Dichloropropene	8.114	75	67903	18.569	ug/l	97
37) Ethyl Acetate	7.297	43	30181	19.107	ug/l #	91
38) Carbon Tetrachloride	8.091	117	68443	18.987	ug/l	99
39) Methylcyclohexane	9.355	83	74064	16.839	ug/l	96
40) Benzene	8.350	78	184749	18.600	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	15946	22.321	ug/l #	71
42) 1,2-Dichloroethane	8.426	62	59854	19.741	ug/l	94
43) Isopropyl Acetate	8.450	43	57428	20.020	ug/l	90
44) Trichloroethene	9.108	130	48616	18.357	ug/l	100
45) 1,2-Dichloropropane	9.385	63	50668	19.397	ug/l	99
46) Dibromomethane	9.473	93	26056	19.226	ug/l	93
47) Bromodichloromethane	9.661	83	70541	19.682	ug/l	95
48) Methyl methacrylate	9.450	41	29263	18.926	ug/l #	81
49) 1,4-Dioxane	9.461	88	5289	404.290	ug/l #	90
51) 4-Methyl-2-Pentanone	10.220	43	150369	104.721	ug/l	89
52) Toluene	10.397	92	116930	18.554	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	59093	17.933	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	70420	17.991	ug/l #	80
55) 1,1,2-Trichloroethane	10.797	97	34249	19.264	ug/l	95
56) Ethyl methacrylate	10.655	69	42201	20.490	ug/l #	76
57) 1,3-Dichloropropane	10.938	76	61305	19.629	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	129136	106.741	ug/l	98
59) 2-Hexanone	10.979	43	100813	99.300	ug/l	86
60) Dibromochloromethane	11.138	129	42730	19.338	ug/l	98
61) 1,2-Dibromoethane	11.238	107	31861	18.660	ug/l	98
64) Tetrachloroethene	10.873	164	40187	17.733	ug/l	95
65) Chlorobenzene	11.661	112	121025	18.273	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	46461	19.212	ug/l	97
67) Ethyl Benzene	11.738	91	222301	17.829	ug/l	99
68) m/p-Xylenes	11.844	106	168340	35.762	ug/l	95
69) o-Xylene	12.173	106	77714	17.565	ug/l	96
70) Styrene	12.185	104	136426	18.296	ug/l	98
71) Bromoform	12.355	173	24768	19.769	ug/l #	98
73) Isopropylbenzene	12.473	105	209677	16.942	ug/l	100
74) N-amyl acetate	12.279	43	50671	18.951	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	38896	19.085	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	32239m	19.798	ug/l	
77) Bromobenzene	12.755	156	47475	17.711	ug/l	99
78) n-propylbenzene	12.814	91	270182	17.531	ug/l	100
79) 2-Chlorotoluene	12.896	91	147439	17.045	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	178399	17.481	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	9751	18.161	ug/l #	72
82) 4-Chlorotoluene	12.996	91	157828	17.575	ug/l	100
83) tert-Butylbenzene	13.214	119	147906	16.876	ug/l	93
84) 1,2,4-Trimethylbenzene	13.261	105	173727	17.436	ug/l	98
85) sec-Butylbenzene	13.391	105	231630	17.304	ug/l	98
86) p-Isopropyltoluene	13.502	119	186850	17.066	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	98945	18.543	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	97029	18.353	ug/l	98
89) n-Butylbenzene	13.832	91	184439	17.257	ug/l	99
90) Hexachloroethane	14.102	117	37957	18.288	ug/l	91
91) 1,2-Dichlorobenzene	13.879	146	84589	18.641	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	6391	19.256	ug/l	98
93) 1,2,4-Trichlorobenzene	15.143	180	48695	17.203	ug/l	97
94) Hexachlorobutadiene	15.255	225	28383	17.722	ug/l	96
95) Naphthalene	15.385	128	84984	17.031	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	41024	17.064	ug/l	95

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

