

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
 Data File : VD071222.D
 Acq On : 09 Dec 2021 12:04
 Operator : VA/SY
 Sample : VD1209SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/10/2021
 Supervised By :Amit Patel 12/14/2021

Quant Time: Dec 10 06:42:36 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	234656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	396385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	360619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	169461	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	129896	47.18	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.36%		
35) Dibromofluoromethane	7.914	113	120680	47.81	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.62%		
50) Toluene-d8	10.338	98	428873	44.65	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.30%		
62) 4-Bromofluorobenzene	12.620	95	155132	46.59	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.18%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	40868	20.42	ug/l	96
3) Chloromethane	2.209	50	55312	20.89	ug/l	92
4) Vinyl Chloride	2.356	62	63857	21.62	ug/l	95
5) Bromomethane	2.773	94	46122	21.66	ug/l	88
6) Chloroethane	2.926	64	43973	21.65	ug/l #	87
7) Trichlorofluoromethane	3.279	101	80335	20.08	ug/l	100
8) Diethyl Ether	3.709	74	20539	18.94	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.103	101	46082	19.52	ug/l	95
10) Methyl Iodide	4.303	142	36874	16.77	ug/l	95
11) Tert butyl alcohol	5.185	59	30108	139.03	ug/l #	71
12) 1,1-Dichloroethene	4.067	96	39424	18.10	ug/l	89
13) Acrolein	3.920	56	15540	82.59	ug/l	95
14) Allyl chloride	4.715	41	74099	17.91	ug/l #	80
15) Acrylonitrile	5.420	53	47487	90.02	ug/l	90
16) Acetone	4.156	43	51515	92.58	ug/l #	87
17) Carbon Disulfide	4.420	76	115921	18.18	ug/l	98
18) Methyl Acetate	4.720	43	38068	18.74	ug/l #	73
19) Methyl tert-butyl Ether	5.479	73	96179	18.02	ug/l	100
20) Methylene Chloride	4.967	84	58749	18.51	ug/l	94
21) trans-1,2-Dichloroethene	5.479	96	46813	19.09	ug/l	86
22) Diisopropyl ether	6.367	45	151406	18.26	ug/l #	93
23) Vinyl Acetate	6.309	43	336549	94.12	ug/l #	94
24) 1,1-Dichloroethane	6.267	63	91195	19.13	ug/l	99
25) 2-Butanone	7.209	43	64384	95.96	ug/l	94
26) 2,2-Dichloropropane	7.209	77	72621	16.75	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	49757	17.94	ug/l	89
28) Bromochloromethane	7.544	49	46001	22.21	ug/l	87
29) Tetrahydrofuran	7.561	42	41160	94.14	ug/l	92
30) Chloroform	7.708	83	92822	19.40	ug/l	96
31) Cyclohexane	7.991	56	85033	18.16	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	78720	18.32	ug/l #	93
36) 1,1-Dichloropropene	8.108	75	69616	18.79	ug/l	97
37) Ethyl Acetate	7.297	43	29485	18.42	ug/l	95
38) Carbon Tetrachloride	8.097	117	68072	18.64	ug/l	98
39) Methylcyclohexane	9.355	83	79155	17.76	ug/l	99
40) Benzene	8.350	78	188189	18.70	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	15491m	21.26	ug/l	
42) 1,2-Dichloroethane	8.420	62	58454	19.03	ug/l	95
43) Isopropyl Acetate	8.450	43	57004	19.72	ug/l	91
44) Trichloroethene	9.108	130	48383	18.03	ug/l	100
45) 1,2-Dichloropropane	9.385	63	49282	18.62	ug/l	95
46) Dibromomethane	9.473	93	25447	18.53	ug/l	91
47) Bromodichloromethane	9.655	83	69572	19.16	ug/l	100
48) Methyl methacrylate	9.455	41	28995	18.51	ug/l #	84
49) 1,4-Dioxane	9.461	88	4966	374.69	ug/l #	86
51) 4-Methyl-2-Pentanone	10.226	43	144791	101.05	ug/l	90
52) Toluene	10.397	92	118698	18.59	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	59479	17.82	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	69200	17.45	ug/l #	81
55) 1,1,2-Trichloroethane	10.797	97	34276	19.03	ug/l	94
56) Ethyl methacrylate	10.655	69	38955	19.20	ug/l #	71
57) 1,3-Dichloropropane	10.938	76	59515	18.81	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.938	63	131045	106.92	ug/l	99
59) 2-Hexanone	10.979	43	98834	97.21	ug/l	90
60) Dibromochloromethane	11.138	129	40743	18.20	ug/l	98
61) 1,2-Dibromoethane	11.244	107	31904	18.44	ug/l	98
64) Tetrachloroethene	10.873	164	41390	18.08	ug/l	96
65) Chlorobenzene	11.661	112	121290	18.13	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	44495	18.21	ug/l	98
67) Ethyl Benzene	11.738	91	223269	17.73	ug/l	96
68) m/p-Xylenes	11.849	106	170841	35.93	ug/l	96
69) o-Xylene	12.173	106	78265	17.51	ug/l	95
70) Styrene	12.185	104	132978	17.65	ug/l	97
71) Bromoform	12.355	173	23323	18.43	ug/l #	99
73) Isopropylbenzene	12.473	105	216258	17.62	ug/l	99
74) N-amyl acetate	12.279	43	49718	18.81	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	36784	18.20	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	30483m	18.88	ug/l	
77) Bromobenzene	12.749	156	46738	17.59	ug/l	98
78) n-propylbenzene	12.814	91	269028	17.61	ug/l	100
79) 2-Chlorotoluene	12.902	91	146885	17.13	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	176187	17.41	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	9981	18.56	ug/l #	70
82) 4-Chlorotoluene	12.996	91	158029	17.75	ug/l	99
83) tert-Butylbenzene	13.214	119	152438	17.54	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	171654	17.38	ug/l	99
85) sec-Butylbenzene	13.391	105	231862	17.47	ug/l	100
86) p-Isopropyltoluene	13.502	119	189199	17.43	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	95160	17.99	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	92969	17.74	ug/l	96
89) n-Butylbenzene	13.832	91	187458	17.69	ug/l	98
90) Hexachloroethane	14.102	117	36995	17.98	ug/l	91
91) 1,2-Dichlorobenzene	13.879	146	82001	18.23	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	5795	17.61	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	46921	16.72	ug/l	98
94) Hexachlorobutadiene	15.249	225	26783	16.87	ug/l	98
95) Naphthalene	15.379	128	83694	16.92	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	40495	16.99	ug/l	97

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

