

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071405.D
 Acq On : 21 Dec 2021 11:31
 Operator : VA/SY
 Sample : VD1221SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/22/2021
 Supervised By : Amit Patel 12/24/2021

Quant Time: Dec 21 19:04:51 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	286418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	477245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	438511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	216418	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	185484	55.191	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.380%			
35) Dibromofluoromethane	7.914	113	171449	56.415	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.840%			
50) Toluene-d8	10.338	98	578045	49.982	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.960%			
62) 4-Bromofluorobenzene	12.626	95	218052	54.392	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	49107	20.105	ug/l	94
3) Chloromethane	2.215	50	61771	19.116	ug/l	98
4) Vinyl Chloride	2.350	62	73481	20.383	ug/l	95
5) Bromomethane	2.762	94	55766	21.458	ug/l	91
6) Chloroethane	2.926	64	51665	20.837	ug/l	93
7) Trichlorofluoromethane	3.273	101	104618	21.422	ug/l	97
8) Diethyl Ether	3.709	74	28045	21.183	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	60745	21.083	ug/l	96
10) Methyl Iodide	4.309	142	47842	17.541	ug/l	93
11) Tert butyl alcohol	5.226	59	31231	99.415	ug/l #	85
12) 1,1-Dichloroethene	4.067	96	51697	19.443	ug/l	91
13) Acrolein	3.932	56	15910	69.275	ug/l	96
14) Allyl chloride	4.715	41	98165	19.437	ug/l #	80
15) Acrylonitrile	5.426	53	75493	117.247	ug/l	96
16) Acetone	4.156	43	74109	103.610	ug/l	97
17) Carbon Disulfide	4.415	76	133716	17.176	ug/l	98
18) Methyl Acetate	4.720	43	71325	28.764	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	140806	21.608	ug/l	92
20) Methylene Chloride	4.967	84	81304	21.602	ug/l	86
21) trans-1,2-Dichloroethene	5.473	96	60149	20.096	ug/l	94
22) Diisopropyl ether	6.367	45	212415	20.992	ug/l	91
23) Vinyl Acetate	6.303	43	446790	99.979	ug/l	95
24) 1,1-Dichloroethane	6.267	63	121913	20.947	ug/l	96
25) 2-Butanone	7.214	43	100005	114.379	ug/l	92
26) 2,2-Dichloropropane	7.208	77	101570	19.192	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	71247	21.041	ug/l	94
28) Bromochloromethane	7.550	49	61274	24.239	ug/l	90
29) Tetrahydrofuran	7.567	42	61769	115.746	ug/l	95
30) Chloroform	7.708	83	123668	21.172	ug/l	97
31) Cyclohexane	7.985	56	109743	19.197	ug/l #	87
32) 1,1,1-Trichloroethane	7.908	97	111853	21.329	ug/l #	94
36) 1,1-Dichloropropene	8.114	75	88519	19.845	ug/l	98
37) Ethyl Acetate	7.297	43	41984	21.790	ug/l #	94
38) Carbon Tetrachloride	8.103	117	95045	21.616	ug/l	90
39) Methylcyclohexane	9.350	83	104472	19.473	ug/l	96
40) Benzene	8.350	78	251758	20.779	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	30925	35.750	ug/l #	71
42) 1,2-Dichloroethane	8.420	62	82067	22.190	ug/l	95
43) Isopropyl Acetate	8.450	43	89678	24.166	ug/l #	86
44) Trichloroethene	9.108	130	66814	20.683	ug/l	94
45) 1,2-Dichloropropane	9.385	63	68420	21.473	ug/l	90
46) Dibromomethane	9.479	93	34933	21.132	ug/l	95
47) Bromodichloromethane	9.655	83	96081	21.978	ug/l	90
48) Methyl methacrylate	9.455	41	36963	19.599	ug/l #	84
49) 1,4-Dioxane	9.455	88	7352	460.726	ug/l	89
51) 4-Methyl-2-Pentanone	10.226	43	221933	120.275	ug/l	91
52) Toluene	10.397	92	159760	20.782	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	85420	21.252	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	99701	20.882	ug/l #	82
55) 1,1,2-Trichloroethane	10.797	97	48088	22.175	ug/l	95
56) Ethyl methacrylate	10.655	69	59340	22.708	ug/l #	73
57) 1,3-Dichloropropane	10.938	76	87133	22.872	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	194739	131.964	ug/l	100
59) 2-Hexanone	10.979	43	152337	114.758	ug/l	88
60) Dibromochloromethane	11.132	129	59076	21.919	ug/l	99
61) 1,2-Dibromoethane	11.238	107	45644	21.915	ug/l	99
64) Tetrachloroethene	10.873	164	53675	19.281	ug/l	92
65) Chlorobenzene	11.661	112	168974	20.768	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	63636	21.421	ug/l	99
67) Ethyl Benzene	11.738	91	304445	19.877	ug/l	97
68) m/p-Xylenes	11.844	106	229929	39.762	ug/l	96
69) o-Xylene	12.173	106	107310	19.745	ug/l	97
70) Styrene	12.191	104	184842	20.180	ug/l	97
71) Bromoform	12.349	173	34734	22.569	ug/l #	100
73) Isopropylbenzene	12.473	105	293962	18.759	ug/l	99
74) N-amyl acetate	12.279	43	68836	19.916	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.720	83	54684	21.190	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	46258m	22.434	ug/l	
77) Bromobenzene	12.749	156	66192	19.501	ug/l	96
78) n-propylbenzene	12.808	91	370982	19.010	ug/l	99
79) 2-Chlorotoluene	12.896	91	204678	18.687	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	243194	18.820	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	15592	21.417	ug/l #	78
82) 4-Chlorotoluene	12.996	91	215081	18.915	ug/l	100
83) tert-Butylbenzene	13.214	119	211996	19.103	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	239635	18.995	ug/l	97
85) sec-Butylbenzene	13.391	105	328507	19.381	ug/l	99
86) p-Isopropyltoluene	13.508	119	254999	18.394	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	130577	19.326	ug/l	97
88) 1,4-Dichlorobenzene	13.585	146	129291	19.314	ug/l	98
89) n-Butylbenzene	13.832	91	259372	19.166	ug/l	98
90) Hexachloroethane	14.096	117	51794	19.709	ug/l	90
91) 1,2-Dichlorobenzene	13.879	146	115761	20.147	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.490	75	9754	23.210	ug/l	83
93) 1,2,4-Trichlorobenzene	15.143	180	68396	19.083	ug/l	96
94) Hexachlorobutadiene	15.249	225	38936	19.200	ug/l	99
95) Naphthalene	15.385	128	128895	20.401	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	58055	19.071	ug/l	97

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

