

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120721\
 Data File : VD071177.D
 Acq On : 07 Dec 2021 11:28
 Operator : VA/SY
 Sample : VD1207SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/08/2021
 Supervised By : Amit Patel 12/08/2021

Quant Time: Dec 08 02:47:41 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	270091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	455396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	415501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	197475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	154003	48.594	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.180%		
35) Dibromofluoromethane	7.914	113	144129	49.701	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.400%		
50) Toluene-d8	10.338	98	511357	46.337	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.680%		
62) 4-Bromofluorobenzene	12.626	95	182432	47.690	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	50063	21.736	ug/l	96
3) Chloromethane	2.215	50	66517	21.829	ug/l	98
4) Vinyl Chloride	2.350	62	76636	22.543	ug/l	94
5) Bromomethane	2.762	94	52545	21.441	ug/l	100
6) Chloroethane	2.920	64	52339	22.385	ug/l #	86
7) Trichlorofluoromethane	3.279	101	96354	20.923	ug/l	98
8) Diethyl Ether	3.709	74	25813	20.676	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.103	101	53736	19.778	ug/l	94
10) Methyl Iodide	4.309	142	49734	18.870	ug/l	95
11) Tert butyl alcohol	5.197	59	36954	155.800	ug/l #	76
12) 1,1-Dichloroethene	4.073	96	48841	19.479	ug/l	87
13) Acrolein	3.920	56	22622	104.454	ug/l	94
14) Allyl chloride	4.720	41	94510	19.844	ug/l #	82
15) Acrylonitrile	5.420	53	64158	105.667	ug/l	96
16) Acetone	4.161	43	64254	97.743	ug/l	91
17) Carbon Disulfide	4.414	76	147347	20.071	ug/l	100
18) Methyl Acetate	4.720	43	51157	21.878	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	123661	20.124	ug/l	96
20) Methylene Chloride	4.967	84	66650	18.183	ug/l #	82
21) trans-1,2-Dichloroethene	5.479	96	56370	19.972	ug/l	94
22) Diisopropyl ether	6.361	45	189132	19.821	ug/l #	88
23) Vinyl Acetate	6.308	43	434149	102.195	ug/l	96
24) 1,1-Dichloroethane	6.261	63	110651	20.161	ug/l	96
25) 2-Butanone	7.208	43	85750	106.576	ug/l #	85
26) 2,2-Dichloropropane	7.202	77	90347	18.103	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	64127	20.083	ug/l	95
28) Bromochloromethane	7.550	49	54607	22.908	ug/l	91
29) Tetrahydrofuran	7.561	42	52997	105.312	ug/l	95
30) Chloroform	7.708	83	111782	20.294	ug/l	99
31) Cyclohexane	7.985	56	104405	19.367	ug/l	89
32) 1,1,1-Trichloroethane	7.897	97	100505	20.324	ug/l	96
36) 1,1-Dichloropropene	8.108	75	87080	20.459	ug/l	98
37) Ethyl Acetate	7.291	43	36644	19.931	ug/l #	94
38) Carbon Tetrachloride	8.097	117	83681	19.945	ug/l	96
39) Methylcyclohexane	9.355	83	102446	20.012	ug/l	98
40) Benzene	8.349	78	231567	20.030	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	23710m	29.010	ug/l	
42) 1,2-Dichloroethane	8.426	62	74377	21.076	ug/l	93
43) Isopropyl Acetate	8.449	43	75145	21.858	ug/l #	89
44) Trichloroethene	9.108	130	60259	19.549	ug/l	97
45) 1,2-Dichloropropane	9.385	63	60525	19.907	ug/l	99
46) Dibromomethane	9.473	93	31584	20.023	ug/l	96
47) Bromodichloromethane	9.655	83	83583	20.036	ug/l	97
48) Methyl methacrylate	9.455	41	35673	19.822	ug/l #	81
49) 1,4-Dioxane	9.455	88	6832	448.681	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	189684	110.927	ug/l	92
52) Toluene	10.402	92	147571	20.117	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	74083	19.315	ug/l	90
54) cis-1,3-Dichloropropene	10.085	75	90931	19.959	ug/l #	83
55) 1,1,2-Trichloroethane	10.791	97	41465	20.038	ug/l	93
56) Ethyl methacrylate	10.655	69	51078	21.069	ug/l #	70
57) 1,3-Dichloropropane	10.943	76	76241	20.973	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	160843	114.224	ug/l	99
59) 2-Hexanone	10.979	43	130158	106.370	ug/l	89
60) Dibromochloromethane	11.132	129	52907	20.572	ug/l	99
61) 1,2-Dibromoethane	11.238	107	41374	20.818	ug/l	98
64) Tetrachloroethene	10.873	164	48269	18.299	ug/l	98
65) Chlorobenzene	11.661	112	153222	19.875	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	55785	19.818	ug/l	98
67) Ethyl Benzene	11.738	91	276163	19.029	ug/l	97
68) m/p-Xylenes	11.843	106	213059	38.885	ug/l	96
69) o-Xylene	12.173	106	98329	19.094	ug/l	97
70) Styrene	12.190	104	168816	19.451	ug/l	98
71) Bromoform	12.355	173	30740	21.080	ug/l #	98
73) Isopropylbenzene	12.473	105	269806	18.869	ug/l	99
74) N-amyl acetate	12.279	43	65672	20.564	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	50039	21.251	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	33314m	17.706	ug/l	
77) Bromobenzene	12.749	156	58901	19.018	ug/l	98
78) n-propylbenzene	12.814	91	337898	18.976	ug/l	100
79) 2-Chlorotoluene	12.896	91	188866	18.898	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	227120	19.262	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	12564	19.589	ug/l #	69
82) 4-Chlorotoluene	12.996	91	198578	19.139	ug/l	100
83) tert-Butylbenzene	13.214	119	187591	18.525	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	217457	18.890	ug/l	99
85) sec-Butylbenzene	13.390	105	292201	18.893	ug/l	99
86) p-Isopropyltoluene	13.508	119	237850	18.803	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	118439	19.211	ug/l	98
88) 1,4-Dichlorobenzene	13.584	146	118349	19.375	ug/l	96
89) n-Butylbenzene	13.832	91	233343	18.896	ug/l	99
90) Hexachloroethane	14.096	117	45685	19.052	ug/l	89
91) 1,2-Dichlorobenzene	13.879	146	105596	20.140	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	7860	20.497	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	64553	19.739	ug/l	97
94) Hexachlorobutadiene	15.249	225	33923	18.333	ug/l	98
95) Naphthalene	15.384	128	116270	20.168	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	54304	19.550	ug/l	97

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

