

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102721\
 Data File : VD070855.D
 Acq On : 27 Oct 2021 10:57
 Operator : VA/SY
 Sample : VD1027SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Manual Integrations
 APPROVED

Quant Time: Oct 28 03:52:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	409208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	658522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	608443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	313889	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.326	65	216108	52.509	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.020%	
35) Dibromofluoromethane	7.908	113	227060	52.294	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.580%	
50) Toluene-d8	10.332	98	887490	54.330	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.660%	
62) 4-Bromofluorobenzene	12.620	95	287676	53.375	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.740%	

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Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.985	85	72547	19.116	ug/l	97
3) Chloromethane	2.208	50	106184	19.769	ug/l	96
4) Vinyl Chloride	2.350	62	119999	20.196	ug/l	96
5) Bromomethane	2.755	94	83545	19.957	ug/l	97
6) Chloroethane	2.914	64	72620	19.782	ug/l	94
7) Trichlorofluoromethane	3.267	101	148435	20.283	ug/l	100
8) Diethyl Ether	3.714	74	36684	18.093	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	96284	20.413	ug/l	98
10) Methyl Iodide	4.297	142	75236	17.690	ug/l	100
11) Tert butyl alcohol	5.208	59	21526	98.413	ug/l #	94
12) 1,1-Dichloroethene	4.067	96	79468	19.246	ug/l	90
13) Acrolein	3.914	56	17879	91.151	ug/l	99
14) Allyl chloride	4.714	41	126469	19.553	ug/l	98
15) Acrylonitrile	5.414	53	92097	94.827	ug/l	98
16) Acetone	4.155	43	87594	91.481	ug/l	97
17) Carbon Disulfide	4.408	76	279477	19.147	ug/l	98
18) Methyl Acetate	4.720	43	60607	18.463	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	158748	18.483	ug/l	99
20) Methylene Chloride	4.961	84	125025	20.357	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	96132	19.647	ug/l	93
22) Diisopropyl ether	6.355	45	270471	20.165	ug/l #	91
23) Vinyl Acetate	6.302	43	571590m	93.918	ug/l	
24) 1,1-Dichloroethane	6.261	63	180207	19.933	ug/l	96
25) 2-Butanone	7.214	43	103703	87.995	ug/l	94
26) 2,2-Dichloropropane	7.202	77	147283	20.419	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	100370	19.142	ug/l	96
28) Bromochloromethane	7.543	49	71348	20.126	ug/l	98
29) Tetrahydrofuran	7.561	42	64543	90.652	ug/l	98
30) Chloroform	7.702	83	179928	19.829	ug/l	98
31) Cyclohexane	7.979	56	155012	18.484	ug/l	90
32) 1,1,1-Trichloroethane	7.896	97	154809	19.977	ug/l	96
36) 1,1-Dichloropropene	8.108	75	140510	20.393	ug/l	97
37) Ethyl Acetate	7.290	43	49903	19.481	ug/l	96
38) Carbon Tetrachloride	8.090	117	140076	20.217	ug/l	100
39) Methylcyclohexane	9.349	83	152147	19.190	ug/l	97
40) Benzene	8.343	78	398432	19.890	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	28489	21.023	ug/l #	76
42) 1,2-Dichloroethane	8.420	62	101405	19.883	ug/l	98
43) Isopropyl Acetate	8.443	43	89886	18.876	ug/l	100
44) Trichloroethene	9.108	130	100916	19.499	ug/l	93
45) 1,2-Dichloropropane	9.379	63	108552	20.440	ug/l	100
46) Dibromomethane	9.473	93	51639	19.833	ug/l	98
47) Bromodichloromethane	9.655	83	132524	19.689	ug/l	97
48) Methyl methacrylate	9.449	41	44710	19.651	ug/l	98
49) 1,4-Dioxane	9.455	88	10492	377.560	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	239549	95.936	ug/l	98
52) Toluene	10.396	92	247924	20.594	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	116175	19.804	ug/l	97
54) cis-1,3-Dichloropropene	10.084	75	142033	19.610	ug/l	97
55) 1,1,2-Trichloroethane	10.790	97	72790	19.712	ug/l	95
56) Ethyl methacrylate	10.655	69	72621	17.981	ug/l	96
57) 1,3-Dichloropropane	10.937	76	123182	19.798	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.937	63	175092	99.739	ug/l	98
59) 2-Hexanone	10.979	43	169362	95.014	ug/l	97
60) Dibromochloromethane	11.131	129	86910	19.615	ug/l	99
61) 1,2-Dibromoethane	11.237	107	64930	19.049	ug/l	99
64) Tetrachloroethene	10.867	164	89474	21.433	ug/l	98
65) Chlorobenzene	11.661	112	260389	20.860	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.737	131	98024	21.168	ug/l	98
67) Ethyl Benzene	11.737	91	435675	20.043	ug/l	98
68) m/p-Xylenes	11.843	106	359011	42.416	ug/l	98
69) o-Xylene	12.173	106	154140	20.107	ug/l	98
70) Styrene	12.184	104	270652	20.385	ug/l	99
71) Bromoform	12.349	173	50910	20.804	ug/l #	98
73) Isopropylbenzene	12.473	105	406941	19.437	ug/l	99
74) N-amyl acetate	12.278	43	83122	18.052	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	82909	19.406	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	52053m	16.846	ug/l	
77) Bromobenzene	12.749	156	101641	19.925	ug/l	98
78) n-propylbenzene	12.808	91	545925	20.315	ug/l	99
79) 2-Chlorotoluene	12.896	91	311056	19.935	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	359507	20.232	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	23412	19.886	ug/l	96
82) 4-Chlorotoluene	12.996	91	328428	20.254	ug/l	100
83) tert-Butylbenzene	13.214	119	288992	19.504	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	353443	20.175	ug/l	99
85) sec-Butylbenzene	13.390	105	465363	19.913	ug/l	100
86) p-Isopropyltoluene	13.502	119	375301	19.962	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	214714	20.383	ug/l	98
88) 1,4-Dichlorobenzene	13.584	146	209966	20.098	ug/l	99
89) n-Butylbenzene	13.831	91	358355	19.453	ug/l	97
90) Hexachloroethane	14.102	117	82114	19.463	ug/l	100
91) 1,2-Dichlorobenzene	13.878	146	179654	19.987	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	11685	18.773	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	101178	19.480	ug/l	97
94) Hexachlorobutadiene	15.249	225	69073	20.185	ug/l	97
95) Naphthalene	15.384	128	148038	17.902	ug/l	98
96) 1,2,3-Trichlorobenzene	15.578	180	86241	19.108	ug/l	98

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

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