

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102721\
 Data File : VD070856.D
 Acq On : 27 Oct 2021 11:25
 Operator : VA/SY
 Sample : VD1027SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Manual Integrations
 APPROVED

MMDadoda

10/29/2021 4:34:36 PM

Quant Time: Oct 28 03:53:03 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	423295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	675186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	638012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	319175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	228383	53.645	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.300%	
35) Dibromofluoromethane	7.914	113	236681	53.165	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.320%	
50) Toluene-d8	10.331	98	929190	55.479	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.960%	
62) 4-Bromofluorobenzene	12.620	95	303906	54.995	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.980%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	73876	18.819	ug/l	95
3) Chloromethane	2.208	50	105346	18.960	ug/l	97
4) Vinyl Chloride	2.350	62	117750	19.158	ug/l	97
5) Bromomethane	2.755	94	79355	17.974	ug/l	98
6) Chloroethane	2.914	64	69426	18.283	ug/l	98
7) Trichlorofluoromethane	3.267	101	147281	19.455	ug/l	97
8) Diethyl Ether	3.708	74	39547	18.856	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	96495	19.777	ug/l	96
10) Methyl Iodide	4.302	142	81924	18.431	ug/l	100
11) Tert butyl alcohol	5.208	59	21870	96.658	ug/l #	87
12) 1,1-Dichloroethene	4.061	96	80342	18.811	ug/l	94
13) Acrolein	3.920	56	19152	94.391	ug/l	97
14) Allyl chloride	4.714	41	129937	19.420	ug/l	97
15) Acrylonitrile	5.414	53	93828	93.394	ug/l	96
16) Acetone	4.155	43	84651	85.466	ug/l	96
17) Carbon Disulfide	4.408	76	275666	18.257	ug/l	97
18) Methyl Acetate	4.708	43	65354	19.247	ug/l	98
19) Methyl tert-butyl Ether	5.467	73	167547	18.858	ug/l	100
20) Methylene Chloride	4.955	84	131608	20.829	ug/l	99
21) trans-1,2-Dichloroethene	5.479	96	97457	19.255	ug/l	97
22) Diisopropyl ether	6.361	45	278548	20.076	ug/l	97
23) Vinyl Acetate	6.302	43	604136	95.648	ug/l	100
24) 1,1-Dichloroethane	6.255	63	182559	19.521	ug/l	97
25) 2-Butanone	7.208	43	110629	90.748	ug/l	100
26) 2,2-Dichloropropane	7.208	77	144251	19.333	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	105623	19.473	ug/l	98
28) Bromochloromethane	7.549	49	71969	19.626	ug/l	99
29) Tetrahydrofuran	7.567	42	70653	95.931	ug/l	98
30) Chloroform	7.708	83	183934	19.596	ug/l	100
31) Cyclohexane	7.985	56	159638	18.402	ug/l	94
32) 1,1,1-Trichloroethane	7.902	97	153519	19.151	ug/l	97
36) 1,1-Dichloropropene	8.114	75	137643	19.484	ug/l	99
37) Ethyl Acetate	7.290	43	52247	19.892	ug/l	97
38) Carbon Tetrachloride	8.096	117	137226	19.317	ug/l	98
39) Methylcyclohexane	9.349	83	144589	17.787	ug/l	96
40) Benzene	8.349	78	401801	19.564	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	26690	19.210	ug/l #	80
42) 1,2-Dichloroethane	8.420	62	103677	19.827	ug/l	98
43) Isopropyl Acetate	8.449	43	94678	19.392	ug/l	99
44) Trichloroethene	9.108	130	102703	19.355	ug/l	91
45) 1,2-Dichloropropane	9.384	63	108248	19.880	ug/l	91
46) Dibromomethane	9.473	93	53915	20.196	ug/l	97
47) Bromodichloromethane	9.655	83	138278	20.037	ug/l	99
48) Methyl methacrylate	9.449	41	45322	19.429	ug/l	96
49) 1,4-Dioxane	9.455	88	10690	375.191	ug/l	91
51) 4-Methyl-2-Pentanone	10.220	43	250111	97.694	ug/l	99
52) Toluene	10.396	92	245148	19.861	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	119198	19.818	ug/l	100
54) cis-1,3-Dichloropropene	10.084	75	147588	19.874	ug/l	99
55) 1,1,2-Trichloroethane	10.796	97	74489	19.674	ug/l	94
56) Ethyl methacrylate	10.655	69	78434	18.789	ug/l	98
57) 1,3-Dichloropropane	10.943	76	127328	19.959	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.937	63	172503	95.839	ug/l	100
59) 2-Hexanone	10.979	43	172799	94.549	ug/l	99
60) Dibromochloromethane	11.131	129	89592	19.722	ug/l	99
61) 1,2-Dibromoethane	11.237	107	70907	20.289	ug/l	97
64) Tetrachloroethene	10.867	164	85565	19.547	ug/l	95
65) Chlorobenzene	11.661	112	259967	19.861	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.731	131	97894	20.160	ug/l	97
67) Ethyl Benzene	11.737	91	439149	19.266	ug/l	99
68) m/p-Xylenes	11.843	106	361275	40.705	ug/l	97
69) o-Xylene	12.173	106	156937	19.523	ug/l	97
70) Styrene	12.184	104	278402	19.997	ug/l	99
71) Bromoform	12.349	173	50638	19.734	ug/l #	100
73) Isopropylbenzene	12.473	105	409945	19.256	ug/l	99
74) N-amyl acetate	12.278	43	87363	18.659	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	85899	19.773	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	53850m	17.139	ug/l	
77) Bromobenzene	12.749	156	102802	19.819	ug/l	98
78) n-propylbenzene	12.808	91	543511	19.890	ug/l	100
79) 2-Chlorotoluene	12.896	91	313360	19.750	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	364204	20.157	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	23233	19.408	ug/l	91
82) 4-Chlorotoluene	12.996	91	329667	19.993	ug/l	99
83) tert-Butylbenzene	13.214	119	287320	19.070	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	357096	20.045	ug/l	98
85) sec-Butylbenzene	13.390	105	463635	19.511	ug/l	100
86) p-Isopropyltoluene	13.502	119	377509	19.747	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	211476	19.743	ug/l	98
88) 1,4-Dichlorobenzene	13.584	146	210555	19.821	ug/l	98
89) n-Butylbenzene	13.831	91	354786	18.941	ug/l	98
90) Hexachloroethane	14.102	117	82237	19.169	ug/l	99
91) 1,2-Dichlorobenzene	13.878	146	182865	20.007	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	12675	20.026	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	101512	19.221	ug/l	99
94) Hexachlorobutadiene	15.249	225	67635	19.437	ug/l	98
95) Naphthalene	15.384	128	158213	18.605	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	86969	18.950	ug/l	96

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

