

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092622\
 Data File : VD074426.D
 Acq On : 26 Sep 2022 18:35
 Operator : VA/SY
 Sample : VD0926SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0926SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/27/2022
 Supervised By :mohammad ahmed 09/27/2022

Quant Time: Sep 27 04:10:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D092622S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 03:19:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	60567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	96401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	88596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	43350	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	26260	50.360	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.720%			
35) Dibromofluoromethane	7.804	113	34209	52.916	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.840%			
50) Toluene-d8	10.269	98	117724	53.699	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.400%			
62) 4-Bromofluorobenzene	12.569	95	36918	47.994	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	10454	21.021	ug/l	96
3) Chloromethane	2.140	50	10766	22.278	ug/l	93
4) Vinyl Chloride	2.275	62	9447	22.142	ug/l	99
5) Bromomethane	2.669	94	7758	23.661	ug/l	90
6) Chloroethane	2.828	64	6676	22.843	ug/l	100
7) Trichlorofluoromethane	3.169	101	20757	21.096	ug/l	97
8) Diethyl Ether	3.593	74	5851	20.171	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.951	101	14312	21.439	ug/l	96
10) Methyl Iodide	4.151	142	11711	21.094	ug/l	99
11) Tert butyl alcohol	5.034	59	10219	155.865	ug/l #	85
12) 1,1-Dichloroethene	3.934	96	13457	21.367	ug/l	96
13) Acrolein	3.793	56	3957	109.358	ug/l	94
14) Allyl chloride	4.557	41	13616	20.966	ug/l	97
15) Acrylonitrile	5.257	53	12735	103.503	ug/l	98
16) Acetone	4.022	43	8631	85.322	ug/l	92
17) Carbon Disulfide	4.263	76	33707	23.354	ug/l	99
18) Methyl Acetate	4.557	43	6275	20.527	ug/l	94
19) Methyl tert-butyl Ether	5.316	73	28667	21.177	ug/l	100
20) Methylene Chloride	4.793	84	20680	23.109	ug/l	97
21) trans-1,2-Dichloroethene	5.304	96	14542	21.724	ug/l	86
22) Diisopropyl ether	6.210	45	31855	21.448	ug/l	92
23) Vinyl Acetate	6.151	43	65125	103.290	ug/l	97
24) 1,1-Dichloroethane	6.110	63	24155	21.592	ug/l	95
25) 2-Butanone	7.081	43	13333	96.189	ug/l	97
26) 2,2-Dichloropropane	7.075	77	20826	20.018	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	16699	21.019	ug/l	97
28) Bromochloromethane	7.428	49	7442	20.882	ug/l #	95
29) Tetrahydrofuran	7.445	42	8595	109.211	ug/l	98
30) Chloroform	7.592	83	26298	20.890	ug/l	95
31) Cyclohexane	7.875	56	19010	21.471	ug/l	97
32) 1,1,1-Trichloroethane	7.792	97	23790	22.017	ug/l	98
36) 1,1-Dichloropropene	8.004	75	19224	21.960	ug/l	98
37) Ethyl Acetate	7.169	43	6164	21.368	ug/l #	95
38) Carbon Tetrachloride	7.992	117	17671	21.094	ug/l	99
39) Methylcyclohexane	9.275	83	22438	21.630	ug/l	94
40) Benzene	8.251	78	55144	21.338	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	3608	20.740	ug/l	93
42) 1,2-Dichloroethane	8.328	62	13781	21.255	ug/l	96
43) Isopropyl Acetate	8.363	43	12051	21.487	ug/l	98
44) Trichloroethene	9.028	130	16407	20.757	ug/l	100
45) 1,2-Dichloropropane	9.304	63	12845	20.960	ug/l	97
46) Dibromomethane	9.392	93	7630	21.075	ug/l	96
47) Bromodichloromethane	9.586	83	19102	20.401	ug/l	99
48) Methyl methacrylate	9.381	41	5667	22.623	ug/l	92
49) 1,4-Dioxane	9.386	88	1673	439.305	ug/l #	90
51) 4-Methyl-2-Pentanone	10.157	43	30794	106.842	ug/l	98
52) Toluene	10.333	92	36435	21.813	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	16377	21.044	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	20049	20.186	ug/l	97
55) 1,1,2-Trichloroethane	10.733	97	11039	21.901	ug/l	96
56) Ethyl methacrylate	10.598	69	12044	21.299	ug/l	98
57) 1,3-Dichloropropane	10.880	76	17694	21.531	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	7359	101.403	ug/l	99
59) 2-Hexanone	10.922	43	20364	104.684	ug/l	99
60) Dibromochloromethane	11.075	129	13761	21.798	ug/l	99
61) 1,2-Dibromoethane	11.180	107	10506	21.441	ug/l	98
64) Tetrachloroethene	10.804	164	14644	21.314	ug/l	94
65) Chlorobenzene	11.604	112	40713	21.218	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.680	131	15061	21.684	ug/l	97
67) Ethyl Benzene	11.680	91	70101	20.765	ug/l	100
68) m/p-Xylenes	11.792	106	55465	41.863	ug/l	100
69) o-Xylene	12.116	106	26432	21.514	ug/l	99
70) Styrene	12.133	104	44912	20.971	ug/l	98
71) Bromoform	12.292	173	7718	20.165	ug/l #	97
73) Isopropylbenzene	12.416	105	67256	20.898	ug/l	100
74) N-amyl acetate	12.227	43	10190	20.087	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.669	83	11504	20.488	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	6451m	19.026	ug/l	
77) Bromobenzene	12.698	156	16292	21.370	ug/l	96
78) n-propylbenzene	12.757	91	80201	20.715	ug/l	98
79) 2-Chlorotoluene	12.845	91	43417	20.777	ug/l	96
80) 1,3,5-Trimethylbenzene	12.898	105	55683	20.914	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.463	75	2842	20.454	ug/l #	90
82) 4-Chlorotoluene	12.945	91	46241	21.585	ug/l	97
83) tert-Butylbenzene	13.163	119	49030	20.349	ug/l	98
84) 1,2,4-Trimethylbenzene	13.204	105	55619	20.983	ug/l	100
85) sec-Butylbenzene	13.339	105	74014	20.524	ug/l	98
86) p-Isopropyltoluene	13.457	119	62152	20.620	ug/l	100
87) 1,3-Dichlorobenzene	13.451	146	32965	21.066	ug/l	99
88) 1,4-Dichlorobenzene	13.533	146	32660	20.851	ug/l	99
89) n-Butylbenzene	13.780	91	57293	20.501	ug/l	99
90) Hexachloroethane	14.045	117	10885	20.403	ug/l	99
91) 1,2-Dichlorobenzene	13.827	146	29001	21.255	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1529	20.659	ug/l	96
93) 1,2,4-Trichlorobenzene	15.092	180	18416	19.932	ug/l	97
94) Hexachlorobutadiene	15.198	225	10402	20.541	ug/l	98
95) Naphthalene	15.327	128	34403	20.445	ug/l	99
96) 1,2,3-Trichlorobenzene	15.515	180	16249	20.508	ug/l	96

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

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