

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091622\
 Data File : VD074334.D
 Acq On : 16 Sep 2022 17:15
 Operator : VA/SY
 Sample : VD0916SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/19/2022
 Supervised By :Mahesh Dadoda 09/19/2022

Quant Time: Sep 17 04:23:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 04:16:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	103007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	172541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	153516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	73957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	50521	50.354	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.700%			
35) Dibromofluoromethane	7.804	113	52798	46.462	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.920%			
50) Toluene-d8	10.269	98	215916	55.066	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.140%			
62) 4-Bromofluorobenzene	12.569	95	64133	48.038	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.080%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	19565	20.619	ug/l	95
3) Chloromethane	2.140	50	19875	22.025	ug/l	98
4) Vinyl Chloride	2.275	62	18810	21.239	ug/l	92
5) Bromomethane	2.669	94	10820	19.762	ug/l	99
6) Chloroethane	2.828	64	10807	20.770	ug/l	98
7) Trichlorofluoromethane	3.164	101	35955	20.834	ug/l	95
8) Diethyl Ether	3.587	74	10727	19.499	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.963	101	21761	20.054	ug/l	97
10) Methyl Iodide	4.163	142	25238	18.828	ug/l	100
11) Tert butyl alcohol	5.058	59	7135	105.231	ug/l #	74
12) 1,1-Dichloroethene	3.934	96	22815	20.655	ug/l	99
13) Acrolein	3.793	56	8010	109.543	ug/l	96
14) Allyl chloride	4.558	41	32442	20.294	ug/l	99
15) Acrylonitrile	5.258	53	25332	104.471	ug/l	99
16) Acetone	4.022	43	19720	87.243	ug/l #	87
17) Carbon Disulfide	4.263	76	74082	20.597	ug/l	99
18) Methyl Acetate	4.558	43	13506	21.059	ug/l	95
19) Methyl tert-butyl Ether	5.322	73	48315	20.425	ug/l	93
20) Methylene Chloride	4.799	84	35135	19.525	ug/l	94
21) trans-1,2-Dichloroethene	5.305	96	24943	20.394	ug/l	94
22) Diisopropyl ether	6.210	45	68130	20.234	ug/l	97
23) Vinyl Acetate	6.157	43	151775m	97.943	ug/l	
24) 1,1-Dichloroethane	6.105	63	43689	20.159	ug/l	98
25) 2-Butanone	7.081	43	31547	93.703	ug/l	98
26) 2,2-Dichloropropane	7.075	77	34510	19.289	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	26368	19.459	ug/l	99
28) Bromochloromethane	7.422	49	16472	19.683	ug/l	94
29) Tetrahydrofuran	7.440	42	19447	100.793	ug/l	98
30) Chloroform	7.599	83	41657	19.547	ug/l	96
31) Cyclohexane	7.875	56	41615	19.777	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	38370	20.411	ug/l	98
36) 1,1-Dichloropropene	8.004	75	35402	20.409	ug/l	98
37) Ethyl Acetate	7.169	43	13699	19.713	ug/l	97
38) Carbon Tetrachloride	7.987	117	31372	20.408	ug/l	92
39) Methylcyclohexane	9.269	83	41966	20.001	ug/l	97
40) Benzene	8.246	78	97148	19.974	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	7797	20.671	ug/l #	89
42) 1,2-Dichloroethane	8.328	62	25127	20.228	ug/l	98
43) Isopropyl Acetate	8.357	43	25631	19.991	ug/l	96
44) Trichloroethene	9.028	130	25918	20.268	ug/l	87
45) 1,2-Dichloropropane	9.304	63	24948	20.395	ug/l	99
46) Dibromomethane	9.393	93	12439	19.770	ug/l	96
47) Bromodichloromethane	9.581	83	31580	20.377	ug/l	98
48) Methyl methacrylate	9.375	41	12402	19.989	ug/l	97
49) 1,4-Dioxane	9.381	88	2859	415.212	ug/l #	92
51) 4-Methyl-2-Pentanone	10.157	43	67288	99.891	ug/l	99
52) Toluene	10.328	92	61664	20.583	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	27595	19.958	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	35678	19.945	ug/l	96
55) 1,1,2-Trichloroethane	10.728	97	16529	19.943	ug/l	96
56) Ethyl methacrylate	10.593	69	22640	20.853	ug/l	97
57) 1,3-Dichloropropane	10.875	76	30493	20.357	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	21959	92.114	ug/l	99
59) 2-Hexanone	10.916	43	45625	96.833	ug/l	100
60) Dibromochloromethane	11.069	129	20647	20.803	ug/l	99
61) 1,2-Dibromoethane	11.181	107	16068	20.187	ug/l	96
64) Tetrachloroethene	10.804	164	21613	20.770	ug/l	94
65) Chlorobenzene	11.604	112	66263	20.952	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.675	131	21808	20.080	ug/l	98
67) Ethyl Benzene	11.681	91	118571	20.436	ug/l	98
68) m/p-Xylenes	11.787	106	90368	40.660	ug/l	98
69) o-Xylene	12.116	106	42952	21.147	ug/l	97
70) Styrene	12.128	104	71264	20.601	ug/l	99
71) Bromoform	12.292	173	11924	20.460	ug/l #	95
73) Isopropylbenzene	12.416	105	113126	19.888	ug/l	99
74) N-amyl acetate	12.228	43	24058	19.138	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	20465	20.707	ug/l	97
76) 1,2,3-Trichloropropane	12.716	75	15243m	22.276	ug/l	
77) Bromobenzene	12.692	156	24622	19.809	ug/l	99
78) n-propylbenzene	12.757	91	142510	20.197	ug/l	99
79) 2-Chlorotoluene	12.839	91	74187	19.937	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	91990	19.778	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.463	75	4575	16.757	ug/l #	100
82) 4-Chlorotoluene	12.939	91	76965	19.945	ug/l	98
83) tert-Butylbenzene	13.157	119	78486	19.029	ug/l	98
84) 1,2,4-Trimethylbenzene	13.204	105	91089	19.906	ug/l	99
85) sec-Butylbenzene	13.334	105	123376	20.158	ug/l	99
86) p-Isopropyltoluene	13.451	119	101371	19.818	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	50777	19.874	ug/l	98
88) 1,4-Dichlorobenzene	13.528	146	50954	20.406	ug/l	98
89) n-Butylbenzene	13.781	91	99944	19.949	ug/l	98
90) Hexachloroethane	14.045	117	18931	19.610	ug/l	99
91) 1,2-Dichlorobenzene	13.822	146	43853	20.356	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.434	75	2807	19.107	ug/l	90
93) 1,2,4-Trichlorobenzene	15.086	180	29514	20.309	ug/l	96
94) Hexachlorobutadiene	15.192	225	16656	20.174	ug/l	97
95) Naphthalene	15.322	128	51172	18.997	ug/l	100
96) 1,2,3-Trichlorobenzene	15.510	180	24769	19.832	ug/l	99

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

