

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091522\
 Data File : VD074304.D
 Acq On : 15 Sep 2022 13:15
 Operator : VA/SY
 Sample : VD0915SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/16/2022
 Supervised By :Mahesh Dadoda 09/16/2022

Quant Time: Sep 15 14:21:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 04:45:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	84145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	142112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	126859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	63057	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	42903	50.011	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.020%			
35) Dibromofluoromethane	7.805	113	44485	46.548	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.100%			
50) Toluene-d8	10.269	98	169997	48.799	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.600%			
62) 4-Bromofluorobenzene	12.569	95	54002	43.484	ug/l	0.01
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	17330	24.789	ug/l	98
3) Chloromethane	2.146	50	15093	23.995	ug/l	99
4) Vinyl Chloride	2.275	62	14354	26.788	ug/l	99
5) Bromomethane	2.669	94	8574	30.385	ug/l	91
6) Chloroethane	2.822	64	8606	26.971	ug/l #	88
7) Trichlorofluoromethane	3.164	101	31728	21.282	ug/l	95
8) Diethyl Ether	3.593	74	10123	21.046	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.964	101	19937	20.785	ug/l	97
10) Methyl Iodide	4.152	142	22227	19.444	ug/l	97
11) Tert butyl alcohol	5.058	59	7314	104.537	ug/l #	88
12) 1,1-Dichloroethene	3.934	96	19946	21.541	ug/l	94
13) Acrolein	3.799	56	6177	83.059	ug/l	99
14) Allyl chloride	4.558	41	29217	20.332	ug/l	98
15) Acrylonitrile	5.252	53	23708	105.718	ug/l	98
16) Acetone	4.028	43	19189	108.367	ug/l	98
17) Carbon Disulfide	4.264	76	57412	21.494	ug/l	97
18) Methyl Acetate	4.558	43	13926	23.507	ug/l #	77
19) Methyl tert-butyl Ether	5.322	73	44473	19.827	ug/l	94
20) Methylene Chloride	4.793	84	32399	27.285	ug/l	92
21) trans-1,2-Dichloroethene	5.311	96	21791	20.862	ug/l	94
22) Diisopropyl ether	6.210	45	63994	20.985	ug/l	94
23) Vinyl Acetate	6.158	43	111800	77.638	ug/l	99
24) 1,1-Dichloroethane	6.105	63	40674	21.591	ug/l	97
25) 2-Butanone	7.087	43	30686	103.905	ug/l	96
26) 2,2-Dichloropropane	7.075	77	31963	19.421	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	24315	20.373	ug/l	98
28) Bromochloromethane	7.422	49	10242	17.703	ug/l #	96
29) Tetrahydrofuran	7.446	42	18803	103.273	ug/l	99
30) Chloroform	7.599	83	39379	21.061	ug/l	94
31) Cyclohexane	7.875	56	36183	20.409	ug/l #	95
32) 1,1,1-Trichloroethane	7.793	97	33606	20.485	ug/l	97
36) 1,1-Dichloropropene	8.005	75	31019	20.166	ug/l	99
37) Ethyl Acetate	7.163	43	13974	20.949	ug/l	99
38) Carbon Tetrachloride	7.987	117	28438	20.434	ug/l #	93
39) Methylcyclohexane	9.275	83	37089	19.479	ug/l	96
40) Benzene	8.252	78	89540	21.034	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	8124	21.866	ug/l	95
42) 1,2-Dichloroethane	8.328	62	23183	20.608	ug/l	97
43) Isopropyl Acetate	8.357	43	25116	19.493	ug/l	98
44) Trichloroethene	9.028	130	23054	19.511	ug/l	95
45) 1,2-Dichloropropane	9.304	63	23081	20.862	ug/l	92
46) Dibromomethane	9.393	93	11658	20.296	ug/l	95
47) Bromodichloromethane	9.581	83	28818	19.941	ug/l	98
48) Methyl methacrylate	9.375	41	12370	20.327	ug/l	97
49) 1,4-Dioxane	9.381	88	2461	361.795	ug/l #	72
51) 4-Methyl-2-Pentanone	10.157	43	67441	103.564	ug/l	97
52) Toluene	10.328	92	55829	20.447	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	25014	18.362	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	32889	19.596	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	15752	19.838	ug/l	93
56) Ethyl methacrylate	10.598	69	20619	19.544	ug/l	97
57) 1,3-Dichloropropane	10.881	76	28470	20.316	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	18813	90.598	ug/l	95
59) 2-Hexanone	10.916	43	45325	102.497	ug/l	96
60) Dibromochloromethane	11.069	129	19551	20.219	ug/l	96
61) 1,2-Dibromoethane	11.175	107	15144	20.038	ug/l	96
64) Tetrachloroethene	10.804	164	19851	20.466	ug/l	94
65) Chlorobenzene	11.604	112	56863	19.939	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.681	131	20864	20.427	ug/l	98
67) Ethyl Benzene	11.681	91	107245	20.132	ug/l	98
68) m/p-Xylenes	11.787	106	82880	40.992	ug/l	98
69) o-Xylene	12.116	106	38699	20.253	ug/l	99
70) Styrene	12.128	104	65192	20.456	ug/l	98
71) Bromoform	12.293	173	11813	20.774	ug/l #	96
73) Isopropylbenzene	12.416	105	103307	19.364	ug/l	99
74) N-amyl acetate	12.228	43	23218	18.480	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.663	83	19775	20.357	ug/l	95
76) 1,2,3-Trichloropropane	12.716	75	14404m	22.282	ug/l	
77) Bromobenzene	12.692	156	22796	19.471	ug/l	98
78) n-propylbenzene	12.757	91	129791	19.839	ug/l	98
79) 2-Chlorotoluene	12.840	91	67965	19.205	ug/l	97
80) 1,3,5-Trimethylbenzene	12.898	105	87938	19.895	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.463	75	4109	15.672	ug/l #	100
82) 4-Chlorotoluene	12.940	91	69973	19.421	ug/l	100
83) tert-Butylbenzene	13.157	119	75109	19.414	ug/l	98
84) 1,2,4-Trimethylbenzene	13.204	105	85835	20.003	ug/l	99
85) sec-Butylbenzene	13.339	105	114361	19.514	ug/l	100
86) p-Isopropyltoluene	13.451	119	93284	19.487	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	45005	18.848	ug/l	97
88) 1,4-Dichlorobenzene	13.534	146	46044	19.610	ug/l	99
89) n-Butylbenzene	13.781	91	90900	19.433	ug/l	99
90) Hexachloroethane	14.045	117	17768	20.291	ug/l	95
91) 1,2-Dichlorobenzene	13.822	146	40050	19.287	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.439	75	2505	18.351	ug/l	98
93) 1,2,4-Trichlorobenzene	15.092	180	25841	18.003	ug/l	99
94) Hexachlorobutadiene	15.192	225	14606	17.807	ug/l	98
95) Naphthalene	15.322	128	49488	18.451	ug/l	99
96) 1,2,3-Trichlorobenzene	15.510	180	22698	18.420	ug/l	98

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

