

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092022\
 Data File : VD074362.D
 Acq On : 20 Sep 2022 13:25
 Operator : VA/SY
 Sample : VD0920SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/21/2022
 Supervised By :Mahesh Dadoda 09/21/2022

Quant Time: Sep 21 02:23:48 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	94819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	162356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	149748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	74532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	47796	51.752	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.500%			
35) Dibromofluoromethane	7.804	113	51570	48.228	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.460%			
50) Toluene-d8	10.269	98	202371	54.850	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.700%			
62) 4-Bromofluorobenzene	12.569	95	63550	50.930	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	16834	19.273	ug/l	97
3) Chloromethane	2.140	50	29265	35.231	ug/l	97
4) Vinyl Chloride	2.281	62	16196	19.867	ug/l	95
5) Bromomethane	2.669	94	5483	10.879	ug/l	91
6) Chloroethane	2.828	64	9891	20.651	ug/l	100
7) Trichlorofluoromethane	3.164	101	30143	18.975	ug/l	97
8) Diethyl Ether	3.587	74	10788	21.304	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.958	101	20060	20.082	ug/l	97
10) Methyl Iodide	4.158	142	11755	9.527	ug/l	98
11) Tert butyl alcohol	5.028	59	24542	393.216	ug/l #	74
12) 1,1-Dichloroethene	3.928	96	21307	20.955	ug/l	96
13) Acrolein	3.793	56	6420	95.380	ug/l	99
14) Allyl chloride	4.558	41	30263	20.565	ug/l	100
15) Acrylonitrile	5.258	53	25779	115.495	ug/l	99
16) Acetone	4.016	43	21322	102.476	ug/l	99
17) Carbon Disulfide	4.263	76	61007	18.427	ug/l	99
18) Methyl Acetate	4.558	43	13345	22.706	ug/l	93
19) Methyl tert-butyl Ether	5.305	73	49629	22.793	ug/l	99
20) Methylene Chloride	4.793	84	35371	22.350	ug/l #	88
21) trans-1,2-Dichloroethene	5.299	96	23780	21.122	ug/l	95
22) Diisopropyl ether	6.216	45	70558	22.765	ug/l	96
23) Vinyl Acetate	6.152	43	168549m	115.223	ug/l	
24) 1,1-Dichloroethane	6.110	63	42415	21.261	ug/l	95
25) 2-Butanone	7.081	43	32787	105.796	ug/l	98
26) 2,2-Dichloropropane	7.069	77	36084	21.911	ug/l	99
27) cis-1,2-Dichloroethene	7.069	96	26436	21.194	ug/l	99
28) Bromochloromethane	7.422	49	15355	19.933	ug/l	98
29) Tetrahydrofuran	7.446	42	20262	114.085	ug/l	96
30) Chloroform	7.593	83	42216	21.520	ug/l	93
31) Cyclohexane	7.875	56	37634	19.429	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	37472	21.654	ug/l	98
36) 1,1-Dichloropropene	8.004	75	31946	19.572	ug/l	99
37) Ethyl Acetate	7.163	43	12555	19.200	ug/l #	91
38) Carbon Tetrachloride	7.993	117	24275	16.782	ug/l #	94
39) Methylcyclohexane	9.269	83	37478	18.983	ug/l	96
40) Benzene	8.246	78	97536	21.312	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	7291	20.542	ug/l #	82
42) 1,2-Dichloroethane	8.322	62	25669	21.961	ug/l	99
43) Isopropyl Acetate	8.363	43	27618	22.892	ug/l #	89
44) Trichloroethene	9.028	130	26322	21.875	ug/l	95
45) 1,2-Dichloropropane	9.304	63	24616	21.386	ug/l	99
46) Dibromomethane	9.387	93	13304	22.471	ug/l	92
47) Bromodichloromethane	9.587	83	32838	22.518	ug/l	93
48) Methyl methacrylate	9.381	41	13125	22.481	ug/l	99
49) 1,4-Dioxane	9.381	88	3290	507.779	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	70679	111.507	ug/l	97
52) Toluene	10.334	92	60209	21.358	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	31137	23.932	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	37800	22.456	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	17930	22.991	ug/l	98
56) Ethyl methacrylate	10.593	69	22911	22.426	ug/l	98
57) 1,3-Dichloropropane	10.875	76	30803	21.854	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.869	63	13366	70.846	ug/l	100
59) 2-Hexanone	10.922	43	48106	108.504	ug/l	99
60) Dibromochloromethane	11.069	129	20069	21.489	ug/l	98
61) 1,2-Dibromoethane	11.175	107	16916	22.586	ug/l	97
64) Tetrachloroethene	10.804	164	23803	23.450	ug/l	94
65) Chlorobenzene	11.604	112	64411	20.879	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.675	131	21908	20.680	ug/l	99
67) Ethyl Benzene	11.681	91	116628	20.607	ug/l	100
68) m/p-Xylenes	11.787	106	90409	41.702	ug/l	100
69) o-Xylene	12.116	106	42068	21.233	ug/l	96
70) Styrene	12.134	104	73861	21.889	ug/l	99
71) Bromoform	12.292	173	11993	21.096	ug/l #	97
73) Isopropylbenzene	12.416	105	111800	19.503	ug/l	99
74) N-amyl acetate	12.228	43	25978	20.506	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	20621	20.704	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	14208m	20.604	ug/l	
77) Bromobenzene	12.698	156	25458	20.324	ug/l	98
78) n-propylbenzene	12.757	91	142190	19.996	ug/l	98
79) 2-Chlorotoluene	12.845	91	75839	20.223	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	94572	20.176	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	5707	20.742	ug/l #	100
82) 4-Chlorotoluene	12.939	91	78642	20.222	ug/l	100
83) tert-Butylbenzene	13.163	119	79773	19.192	ug/l	100
84) 1,2,4-Trimethylbenzene	13.204	105	91905	19.930	ug/l	98
85) sec-Butylbenzene	13.339	105	124138	20.126	ug/l	99
86) p-Isopropyltoluene	13.451	119	103369	20.053	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	52274	20.302	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	52783	20.975	ug/l	99
89) n-Butylbenzene	13.781	91	100547	19.915	ug/l	99
90) Hexachloroethane	14.045	117	14501	14.905	ug/l	91
91) 1,2-Dichlorobenzene	13.822	146	43633	20.098	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.439	75	3233	21.837	ug/l	82
93) 1,2,4-Trichlorobenzene	15.092	180	30024	20.501	ug/l	99
94) Hexachlorobutadiene	15.198	225	16695	20.065	ug/l	95
95) Naphthalene	15.322	128	55838	20.569	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	25906	20.582	ug/l	98

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

