

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092622\
 Data File : VD074416.D
 Acq On : 26 Sep 2022 12:32
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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

Quant Time: Sep 27 02:01:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D092622S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:58:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	57082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	92262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	80949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	41067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	10155	20.761	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.520%#		
35) Dibromofluoromethane	7.804	113	16319	24.044	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	48.080%#		
50) Toluene-d8	10.269	98	36838	17.480	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	34.960%#		
62) 4-Bromofluorobenzene	12.569	95	23348	27.645	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	55.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	11158	23.975	ug/l	94
3) Chloromethane	2.146	50	11257	23.996	ug/l	93
4) Vinyl Chloride	2.275	62	9395	23.539	ug/l	99
5) Bromomethane	2.664	94	6883	22.482	ug/l	92
6) Chloroethane	2.822	64	6059	21.899	ug/l	95
7) Trichlorofluoromethane	3.164	101	20036	21.715	ug/l	99
8) Diethyl Ether	3.593	74	5731	20.870	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.958	101	13845	22.019	ug/l	99
10) Methyl Iodide	4.163	142	9860	18.189	ug/l	99
11) Tert butyl alcohol	5.022	59	9637m	108.209	ug/l	
12) 1,1-Dichloroethene	3.934	96	13400	22.643	ug/l	87
13) Acrolein	3.799	56	4101	119.487	ug/l	98
14) Allyl chloride	4.558	41	13377	22.001	ug/l	99
15) Acrylonitrile	5.252	53	11905	103.468	ug/l	98
16) Acetone	4.022	43	8707	92.603	ug/l	89
17) Carbon Disulfide	4.263	76	32999	24.438	ug/l	99
18) Methyl Acetate	4.563	43	6182	20.146	ug/l	97
19) Methyl tert-butyl Ether	5.310	73	25941	20.392	ug/l	95
20) Methylene Chloride	4.799	84	19341	20.854	ug/l	90
21) trans-1,2-Dichloroethene	5.310	96	14469	22.942	ug/l #	89
22) Diisopropyl ether	6.216	45	29488	21.122	ug/l	95
23) Vinyl Acetate	6.152	43	57273m	99.847	ug/l	
24) 1,1-Dichloroethane	6.110	63	22569	21.348	ug/l	93
25) 2-Butanone	7.081	43	12288	94.586	ug/l	94
26) 2,2-Dichloropropane	7.069	77	20157	20.709	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	16062	21.622	ug/l	97
28) Bromochloromethane	7.428	49	6926	20.435	ug/l #	98
29) Tetrahydrofuran	7.440	42	7236	97.385	ug/l	97
30) Chloroform	7.599	83	24636	20.778	ug/l	95
31) Cyclohexane	7.869	56	18714	22.590	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	21895	21.491	ug/l	100
36) 1,1-Dichloropropene	8.010	75	17745	21.300	ug/l	100
37) Ethyl Acetate	7.157	43	5164	18.661	ug/l #	96
38) Carbon Tetrachloride	7.987	117	16908	21.442	ug/l	92
39) Methylcyclohexane	9.269	83	22542	22.925	ug/l	94
40) Benzene	8.252	78	52778	21.416	ug/l	95

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41) Methacrylonitrile	7.393	41	3398m	20.022	ug/l	
42) 1,2-Dichloroethane	8.328	62	13003	21.089	ug/l	95
43) Isopropyl Acetate	8.357	43	10805	20.154	ug/l #	77
44) Trichloroethene	9.028	130	16094	21.489	ug/l	99
45) 1,2-Dichloropropane	9.304	63	12609	21.437	ug/l	95
46) Dibromomethane	9.393	93	7383	21.038	ug/l	95
47) Bromodichloromethane	9.581	83	18217	20.446	ug/l #	98
48) Methyl methacrylate	9.381	41	5018	20.826	ug/l	100
49) 1,4-Dioxane	9.393	88	1614	465.453	ug/l #	89
51) 4-Methyl-2-Pentanone	10.157	43	27499	99.590	ug/l	97
52) Toluene	10.334	92	32629	20.553	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	14428	19.444	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	19340	20.508	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	9421	19.406	ug/l	96
56) Ethyl methacrylate	10.593	69	10271	19.018	ug/l	93
57) 1,3-Dichloropropane	10.875	76	15279	19.505	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.863	63	6253	74.499	ug/l	95
59) 2-Hexanone	10.922	43	17828	95.981	ug/l	99
60) Dibromochloromethane	11.069	129	12045	19.921	ug/l	96
61) 1,2-Dibromoethane	11.181	107	9376	20.040	ug/l	96
64) Tetrachloroethene	10.810	164	13238	20.950	ug/l	89
65) Chlorobenzene	11.604	112	35995	20.628	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	12600	19.993	ug/l	96
67) Ethyl Benzene	11.681	91	63918	20.836	ug/l	95
68) m/p-Xylenes	11.787	106	51271	42.441	ug/l	99
69) o-Xylene	12.116	106	23698	21.126	ug/l	97
70) Styrene	12.134	104	40887	21.002	ug/l	99
71) Bromoform	12.292	173	6526	18.759	ug/l #	90
73) Isopropylbenzene	12.416	105	64240	21.156	ug/l	100
74) N-amyl acetate	12.228	43	9519	19.922	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	10834	20.360	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	5741m	18.111	ug/l	
77) Bromobenzene	12.692	156	15006	20.735	ug/l	97
78) n-propylbenzene	12.757	91	78053	21.352	ug/l	100
79) 2-Chlorotoluene	12.845	91	41523	21.072	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	53768	21.407	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	2636	20.591	ug/l	93
82) 4-Chlorotoluene	12.945	91	43324	21.374	ug/l	99
83) tert-Butylbenzene	13.163	119	48249	21.343	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	53649	21.455	ug/l	99
85) sec-Butylbenzene	13.339	105	72016	21.133	ug/l	97
86) p-Isopropyltoluene	13.457	119	60060	21.136	ug/l	98
87) 1,3-Dichlorobenzene	13.451	146	31092	20.977	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	31201	21.035	ug/l	98
89) n-Butylbenzene	13.781	91	54920	20.887	ug/l	99
90) Hexachloroethane	14.051	117	10433	20.749	ug/l	95
91) 1,2-Dichlorobenzene	13.828	146	26630	20.679	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.439	75	1510	22.550	ug/l	87
93) 1,2,4-Trichlorobenzene	15.092	180	17932	20.666	ug/l	95
94) Hexachlorobutadiene	15.198	225	10044	20.975	ug/l	96
95) Naphthalene	15.328	128	31327	19.634	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	15566	20.662	ug/l	98

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

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