

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090922\
 Data File : VD074244.D
 Acq On : 09 Sep 2022 16:26
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/12/2022
 Supervised By :Mahesh Dadoda 09/12/2022

Quant Time: Sep 10 02:46:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 02:44:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	123273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.769	114	205347	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.569	117	186082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.498	152	89556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	25430	20.089	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.180%#		
35) Dibromofluoromethane	7.799	113	35947	26.255	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	52.500%#		
50) Toluene-d8	10.257	98	85508	18.740	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	37.480%#		
62) 4-Bromofluorobenzene	12.557	95	56704	32.994	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	65.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	24759	24.376	ug/l	97
3) Chloromethane	2.140	50	22055	29.756	ug/l	99
4) Vinyl Chloride	2.270	62	18054	23.945	ug/l	97
5) Bromomethane	2.658	94	8544	18.061	ug/l	100
6) Chloroethane	2.811	64	9958	20.818	ug/l	99
7) Trichlorofluoromethane	3.158	101	46757	21.392	ug/l	99
8) Diethyl Ether	3.587	74	14775	24.306	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.952	101	29163	21.792	ug/l	100
10) Methyl Iodide	4.146	142	37483	25.540	ug/l	98
11) Tert butyl alcohol	5.063	59	10225	125.368	ug/l	97
12) 1,1-Dichloroethene	3.928	96	28099	23.321	ug/l	94
13) Acrolein	3.787	56	11013	221.095	ug/l	92
14) Allyl chloride	4.546	41	44124	23.456	ug/l	99
15) Acrylonitrile	5.258	53	34044	119.235	ug/l	99
16) Acetone	4.022	43	24897	102.141	ug/l	97
17) Carbon Disulfide	4.258	76	87432	25.352	ug/l	98
18) Methyl Acetate	4.558	43	18892	24.642	ug/l	100
19) Methyl tert-butyl Ether	5.311	73	68846	23.502	ug/l	99
20) Methylene Chloride	4.793	84	41359	22.185	ug/l	94
21) trans-1,2-Dichloroethene	5.299	96	32327	23.133	ug/l	95
22) Diisopropyl ether	6.210	45	91543	23.307	ug/l	99
23) Vinyl Acetate	6.152	43	217318m	109.777	ug/l	
24) 1,1-Dichloroethane	6.105	63	57494	22.417	ug/l	100
25) 2-Butanone	7.075	43	42424	112.107	ug/l	100
26) 2,2-Dichloropropane	7.075	77	49309	21.477	ug/l	99
27) cis-1,2-Dichloroethene	7.069	96	36404	22.950	ug/l	99
28) Bromochloromethane	7.416	49	14391	18.126	ug/l	100
29) Tetrahydrofuran	7.440	42	27229	119.414	ug/l	99
30) Chloroform	7.587	83	55816	20.914	ug/l	92
31) Cyclohexane	7.869	56	54391	24.574	ug/l	94
32) 1,1,1-Trichloroethane	7.787	97	49655	20.171	ug/l	99
36) 1,1-Dichloropropene	7.999	75	45906	22.540	ug/l	99
37) Ethyl Acetate	7.157	43	18947	22.948	ug/l	98
38) Carbon Tetrachloride	7.981	117	40183	18.685	ug/l	95
39) Methylcyclohexane	9.263	83	57724	24.749	ug/l	99
40) Benzene	8.246	78	128577	22.275	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.387	41	10953m	21.767	ug/l	
42) 1,2-Dichloroethane	8.322	62	32994	19.638	ug/l	96
43) Isopropyl Acetate	8.352	43	37633	22.625	ug/l	98
44) Trichloroethene	9.022	130	34926	20.937	ug/l	90
45) 1,2-Dichloropropane	9.299	63	32888	22.584	ug/l	94
46) Dibromomethane	9.381	93	17384	21.654	ug/l	98
47) Bromodichloromethane	9.575	83	43039	20.664	ug/l	96
48) Methyl methacrylate	9.369	41	17992	23.654	ug/l	95
49) 1,4-Dioxane	9.375	88	4152	443.130	ug/l	98
51) 4-Methyl-2-Pentanone	10.151	43	94325	113.650	ug/l	99
52) Toluene	10.322	92	80173	21.239	ug/l	99
53) t-1,3-Dichloropropene	10.540	75	40462	21.306	ug/l	98
54) cis-1,3-Dichloropropene	10.010	75	48928	21.705	ug/l	91
55) 1,1,2-Trichloroethane	10.722	97	23717	21.362	ug/l	97
56) Ethyl methacrylate	10.587	69	31309	24.320	ug/l	100
57) 1,3-Dichloropropane	10.869	76	41438	22.316	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.863	63	39971	109.111	ug/l	99
59) 2-Hexanone	10.910	43	62734	112.151	ug/l	97
60) Dibromochloromethane	11.063	129	28644	20.219	ug/l	100
61) 1,2-Dibromoethane	11.169	107	22468	20.988	ug/l	95
64) Tetrachloroethene	10.798	164	29538	22.051	ug/l	97
65) Chlorobenzene	11.593	112	85832	21.330	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.669	131	30064	19.977	ug/l	100
67) Ethyl Benzene	11.669	91	158539	22.898	ug/l	99
68) m/p-Xylenes	11.781	106	122541	44.947	ug/l	98
69) o-Xylene	12.104	106	58602	23.153	ug/l	98
70) Styrene	12.122	104	95098	21.984	ug/l	99
71) Bromoform	12.287	173	17000	20.582	ug/l #	99
73) Isopropylbenzene	12.404	105	152629	23.444	ug/l	99
74) N-amyl acetate	12.216	43	36421	25.019	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.657	83	27761	23.409	ug/l	99
76) 1,2,3-Trichloropropane	12.710	75	16238m	18.047	ug/l	
77) Bromobenzene	12.687	156	33936	22.069	ug/l	98
78) n-propylbenzene	12.745	91	188682	23.691	ug/l	100
79) 2-Chlorotoluene	12.834	91	101666	22.249	ug/l	99
80) 1,3,5-Trimethylbenzene	12.887	105	128006	23.090	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.451	75	7265	21.266	ug/l #	100
82) 4-Chlorotoluene	12.928	91	105053	21.889	ug/l	100
83) tert-Butylbenzene	13.151	119	109779	23.233	ug/l	99
84) 1,2,4-Trimethylbenzene	13.198	105	123184	22.777	ug/l	100
85) sec-Butylbenzene	13.328	105	169546	23.793	ug/l	99
86) p-Isopropyltoluene	13.440	119	136766	23.365	ug/l	99
87) 1,3-Dichlorobenzene	13.440	146	67965	21.903	ug/l	97
88) 1,4-Dichlorobenzene	13.522	146	67051	21.446	ug/l	98
89) n-Butylbenzene	13.769	91	130990	23.393	ug/l	99
90) Hexachloroethane	14.034	117	25646	21.646	ug/l	99
91) 1,2-Dichlorobenzene	13.810	146	59334	21.872	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.428	75	3779	19.881	ug/l	97
93) 1,2,4-Trichlorobenzene	15.075	180	40044	23.796	ug/l	99
94) Hexachlorobutadiene	15.181	225	22877	24.048	ug/l	98
95) Naphthalene	15.310	128	76645	25.020	ug/l	98
96) 1,2,3-Trichlorobenzene	15.492	180	35524	24.146	ug/l	96

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

