

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092622\
 Data File : VD074434.D
 Acq On : 26 Sep 2022 22:19
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Sep 27 04:12:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D092622S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 03:19:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	53384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	85802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	77174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	42369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	23539	51.216	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.440%			
35) Dibromofluoromethane	7.804	113	29334	50.848	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.700%			
50) Toluene-d8	10.269	98	99126	50.801	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.600%			
62) 4-Bromofluorobenzene	12.569	95	32691	47.714	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	18528	42.269	ug/l	97
3) Chloromethane	2.146	50	20405	54.743	ug/l	96
4) Vinyl Chloride	2.281	62	16852	44.813	ug/l	98
5) Bromomethane	2.681	94	11991	41.491	ug/l	96
6) Chloroethane	2.828	64	12606	48.938	ug/l	100
7) Trichlorofluoromethane	3.169	101	38359	44.230	ug/l	98
8) Diethyl Ether	3.593	74	13944	54.539	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.958	101	28766	48.889	ug/l	99
10) Methyl Iodide	4.164	142	24912	40.705	ug/l	97
11) Tert butyl alcohol	5.046	59	13196	290.018	ug/l #	96
12) 1,1-Dichloroethene	3.934	96	25455	45.855	ug/l	96
13) Acrolein	3.793	56	6586	206.506	ug/l	91
14) Allyl chloride	4.558	41	27513	48.066	ug/l	97
15) Acrylonitrile	5.252	53	30002	276.649	ug/l	99
16) Acetone	4.022	43	19003	213.131	ug/l	96
17) Carbon Disulfide	4.269	76	57534	47.186	ug/l	96
18) Methyl Acetate	4.558	43	12992	50.658	ug/l	96
19) Methyl tert-butyl Ether	5.311	73	66341	55.601	ug/l	96
20) Methylene Chloride	4.799	84	37034	55.271	ug/l	97
21) trans-1,2-Dichloroethene	5.305	96	29917	50.706	ug/l	88
22) Diisopropyl ether	6.216	45	66045	50.450	ug/l	93
23) Vinyl Acetate	6.158	43	150132m	270.152	ug/l	
24) 1,1-Dichloroethane	6.110	63	49720	50.426	ug/l	97
25) 2-Butanone	7.081	43	30208	247.256	ug/l	94
26) 2,2-Dichloropropane	7.069	77	41458	45.211	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	35285	50.389	ug/l	99
28) Bromochloromethane	7.422	49	17514	55.757	ug/l	97
29) Tetrahydrofuran	7.446	42	18790	270.878	ug/l	98
30) Chloroform	7.593	83	56412	50.840	ug/l	97
31) Cyclohexane	7.875	56	35147	45.039	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	48365	50.784	ug/l	97
36) 1,1-Dichloropropene	8.010	75	36687	47.086	ug/l	99
37) Ethyl Acetate	7.163	43	14045	54.701	ug/l	95
38) Carbon Tetrachloride	7.993	117	37378	50.130	ug/l	96
39) Methylcyclohexane	9.269	83	42353	45.871	ug/l	96
40) Benzene	8.252	78	115790	50.340	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	7630	49.278	ug/l	97
42) 1,2-Dichloroethane	8.322	62	30855	53.467	ug/l	99
43) Isopropyl Acetate	8.363	43	26600	53.287	ug/l	99
44) Trichloroethene	9.028	130	34371	48.855	ug/l	98
45) 1,2-Dichloropropane	9.304	63	28372	52.015	ug/l	90
46) Dibromomethane	9.393	93	16709	51.853	ug/l	97
47) Bromodichloromethane	9.587	83	40940	49.126	ug/l	100
48) Methyl methacrylate	9.381	41	12246	54.926	ug/l	98
49) 1,4-Dioxane	9.381	88	3693	1013.776	ug/l	91
51) 4-Methyl-2-Pentanone	10.157	43	66981	261.104	ug/l	97
52) Toluene	10.334	92	74728	50.266	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	34812	50.259	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	42699	48.302	ug/l	96
55) 1,1,2-Trichloroethane	10.728	97	23862	53.189	ug/l	95
56) Ethyl methacrylate	10.593	69	26299	52.253	ug/l	98
57) 1,3-Dichloropropane	10.875	76	37230	50.899	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	20574	250.572	ug/l	97
59) 2-Hexanone	10.922	43	45326	261.788	ug/l	97
60) Dibromochloromethane	11.075	129	29794	53.024	ug/l	99
61) 1,2-Dibromoethane	11.181	107	22755	52.175	ug/l	99
64) Tetrachloroethene	10.810	164	27920	46.650	ug/l	94
65) Chlorobenzene	11.604	112	83249	49.808	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	31741	52.462	ug/l	97
67) Ethyl Benzene	11.681	91	145602	49.513	ug/l	95
68) m/p-Xylenes	11.793	106	119102	103.198	ug/l	97
69) o-Xylene	12.116	106	56680	52.963	ug/l	97
70) Styrene	12.134	104	98390	52.740	ug/l	99
71) Bromoform	12.298	173	18653	55.948	ug/l #	99
73) Isopropylbenzene	12.416	105	150046	47.703	ug/l	100
74) N-amyl acetate	12.228	43	23486	47.369	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	27077	49.340	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	18642m	56.254	ug/l	
77) Bromobenzene	12.698	156	36621	49.148	ug/l	97
78) n-propylbenzene	12.757	91	178830	47.258	ug/l	100
79) 2-Chlorotoluene	12.845	91	98616	48.286	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	126116	48.465	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	6646	48.939	ug/l	97
82) 4-Chlorotoluene	12.945	91	102718	49.059	ug/l	99
83) tert-Butylbenzene	13.163	119	112254	47.667	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	125582	48.475	ug/l	99
85) sec-Butylbenzene	13.339	105	166479	47.234	ug/l	98
86) p-Isopropyltoluene	13.457	119	141126	47.906	ug/l	100
87) 1,3-Dichlorobenzene	13.451	146	75291	49.229	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	74160	48.441	ug/l	99
89) n-Butylbenzene	13.781	91	130809	47.890	ug/l	99
90) Hexachloroethane	14.045	117	25065	48.070	ug/l	98
91) 1,2-Dichlorobenzene	13.822	146	67124	50.334	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.439	75	3788	50.439	ug/l	97
93) 1,2,4-Trichlorobenzene	15.092	180	42663	47.243	ug/l	99
94) Hexachlorobutadiene	15.198	225	22548	45.558	ug/l	99
95) Naphthalene	15.328	128	81592	49.612	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	37238	48.086	ug/l	98

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

