

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091922\
 Data File : VD074358.D
 Acq On : 19 Sep 2022 20:52
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/20/2022
 Supervised By :Mahesh Dadoda 09/20/2022

Quant Time: Sep 19 23:03:20 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	89963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	146432	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	133824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	63558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	41973	47.900	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.800%		
35) Dibromofluoromethane	7.804	113	45660	47.345	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.680%		
50) Toluene-d8	10.269	98	182008	54.695	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	109.400%		
62) 4-Bromofluorobenzene	12.569	95	55366	48.977	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	34962	42.187	ug/l	93
3) Chloromethane	2.140	50	48900	62.047	ug/l	96
4) Vinyl Chloride	2.275	62	35310	45.651	ug/l	92
5) Bromomethane	2.675	94	12140	25.388	ug/l	99
6) Chloroethane	2.828	64	21817	48.009	ug/l	92
7) Trichlorofluoromethane	3.164	101	66944	44.415	ug/l	98
8) Diethyl Ether	3.587	74	22263	46.337	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.963	101	45630	48.147	ug/l	99
10) Methyl Iodide	4.158	142	41742	35.656	ug/l	98
11) Tert butyl alcohol	5.052	59	19263	325.294	ug/l #	83
12) 1,1-Dichloroethene	3.934	96	45519	47.184	ug/l	98
13) Acrolein	3.793	56	8665	135.682	ug/l	96
14) Allyl chloride	4.552	41	64272	46.034	ug/l	99
15) Acrylonitrile	5.252	53	48688	229.906	ug/l	98
16) Acetone	4.022	43	34823	176.397	ug/l #	87
17) Carbon Disulfide	4.258	76	124037	39.486	ug/l	100
18) Methyl Acetate	4.563	43	23685	43.684	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	103196	49.952	ug/l	100
20) Methylene Chloride	4.793	84	62734	51.031	ug/l	93
21) trans-1,2-Dichloroethene	5.299	96	50698	47.463	ug/l	98
22) Diisopropyl ether	6.216	45	150947	51.331	ug/l	98
23) Vinyl Acetate	6.152	43	375877	251.612	ug/l	99
24) 1,1-Dichloroethane	6.110	63	94385	49.865	ug/l	96
25) 2-Butanone	7.081	43	60673	206.346	ug/l	99
26) 2,2-Dichloropropane	7.069	77	75007	48.004	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	58830	49.711	ug/l	97
28) Bromochloromethane	7.422	49	34468	47.160	ug/l	100
29) Tetrahydrofuran	7.446	42	39094	232.001	ug/l	99
30) Chloroform	7.599	83	95264	51.184	ug/l	85
31) Cyclohexane	7.869	56	79420	43.216	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	81765	49.800	ug/l	99
36) 1,1-Dichloropropene	8.004	75	72602	49.317	ug/l	99
37) Ethyl Acetate	7.163	43	28540	48.391	ug/l	98
38) Carbon Tetrachloride	7.987	117	59613	45.694	ug/l	91
39) Methylcyclohexane	9.269	83	86624	48.646	ug/l	97
40) Benzene	8.246	78	210390	50.969	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	16547	51.689	ug/l	93
42) 1,2-Dichloroethane	8.328	62	52793	50.078	ug/l	99
43) Isopropyl Acetate	8.363	43	56396	51.830	ug/l	99
44) Trichloroethene	9.022	130	57883	53.336	ug/l	97
45) 1,2-Dichloropropane	9.304	63	54840	52.826	ug/l	99
46) Dibromomethane	9.393	93	26627	49.865	ug/l	97
47) Bromodichloromethane	9.581	83	70684	53.742	ug/l	95
48) Methyl methacrylate	9.381	41	26411	50.157	ug/l	97
49) 1,4-Dioxane	9.381	88	6151	1052.585	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	145718	254.893	ug/l	97
52) Toluene	10.334	92	133530	52.517	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	65524	55.839	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	79408	52.305	ug/l	99
55) 1,1,2-Trichloroethane	10.728	97	36729	52.218	ug/l	98
56) Ethyl methacrylate	10.593	69	47563	51.620	ug/l	99
57) 1,3-Dichloropropane	10.875	76	63903	50.268	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	22882	105.835	ug/l	99
59) 2-Hexanone	10.916	43	96283	240.784	ug/l	99
60) Dibromochloromethane	11.075	129	43618	51.784	ug/l	100
61) 1,2-Dibromoethane	11.175	107	34265	50.725	ug/l	98
64) Tetrachloroethene	10.804	164	50877	56.087	ug/l	91
65) Chlorobenzene	11.604	112	141076	51.171	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.675	131	48592	51.325	ug/l	99
67) Ethyl Benzene	11.681	91	262719	51.942	ug/l	99
68) m/p-Xylenes	11.787	106	200279	103.373	ug/l	99
69) o-Xylene	12.116	106	96730	54.632	ug/l	100
70) Styrene	12.128	104	161191	53.454	ug/l	98
71) Bromoform	12.292	173	24530	48.284	ug/l #	98
73) Isopropylbenzene	12.416	105	255119	52.190	ug/l	100
74) N-amyl acetate	12.228	43	52458	48.558	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	42150	49.627	ug/l	100
76) 1,2,3-Trichloropropane	12.716	75	32661m	55.541	ug/l	
77) Bromobenzene	12.692	156	55555	52.009	ug/l	96
78) n-propylbenzene	12.757	91	312153	51.478	ug/l	100
79) 2-Chlorotoluene	12.839	91	166477	52.058	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	205817	51.492	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	12279	52.332	ug/l #	100
82) 4-Chlorotoluene	12.939	91	169852	51.217	ug/l	100
83) tert-Butylbenzene	13.157	119	186934	52.739	ug/l	98
84) 1,2,4-Trimethylbenzene	13.204	105	206645	52.549	ug/l	99
85) sec-Butylbenzene	13.339	105	276414	52.552	ug/l	100
86) p-Isopropyltoluene	13.451	119	229171	52.134	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	114206	52.013	ug/l	98
88) 1,4-Dichlorobenzene	13.528	146	109280	50.924	ug/l	99
89) n-Butylbenzene	13.781	91	221083	51.350	ug/l	99
90) Hexachloroethane	14.045	117	33172	39.983	ug/l	98
91) 1,2-Dichlorobenzene	13.822	146	94700	51.152	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.439	75	5666	44.878	ug/l	98
93) 1,2,4-Trichlorobenzene	15.086	180	62173	49.783	ug/l	100
94) Hexachlorobutadiene	15.192	225	37334	52.618	ug/l	97
95) Naphthalene	15.322	128	111031	47.963	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	53234	49.596	ug/l	97

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

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