

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091622\
 Data File : VD074341.D
 Acq On : 16 Sep 2022 20:32
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/19/2022
 Supervised By :Mahesh Dadoda 09/19/2022

Quant Time: Sep 17 04:24:33 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	92903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	159071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	144297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	67224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	48182	53.246	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.500%			
35) Dibromofluoromethane	7.804	113	49254	47.014	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.020%			
50) Toluene-d8	10.269	98	201812	55.828	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.660%			
62) 4-Bromofluorobenzene	12.563	95	60715	49.502	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.000%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	39857	46.572	ug/l	91
3) Chloromethane	2.140	50	38938	47.843	ug/l	96
4) Vinyl Chloride	2.275	62	37786	47.306	ug/l	98
5) Bromomethane	2.681	94	23248	47.079	ug/l	95
6) Chloroethane	2.828	64	23817	50.752	ug/l	95
7) Trichlorofluoromethane	3.169	101	78249	50.272	ug/l	99
8) Diethyl Ether	3.587	74	25118	50.625	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.963	101	49177	50.247	ug/l	97
10) Methyl Iodide	4.158	142	62996	52.108	ug/l	96
11) Tert butyl alcohol	5.057	59	14232	232.730	ug/l #	89
12) 1,1-Dichloroethene	3.934	96	50014	50.202	ug/l	97
13) Acrolein	3.799	56	12372	187.598	ug/l	96
14) Allyl chloride	4.558	41	75459	52.336	ug/l	99
15) Acrylonitrile	5.257	53	59525	272.183	ug/l	98
16) Acetone	4.022	43	40225	197.313	ug/l	94
17) Carbon Disulfide	4.263	76	165537	51.030	ug/l	99
18) Methyl Acetate	4.563	43	29066	52.174	ug/l	99
19) Methyl tert-butyl Ether	5.322	73	111827	52.417	ug/l	98
20) Methylene Chloride	4.799	84	65899	52.093	ug/l	95
21) trans-1,2-Dichloroethene	5.305	96	57718	52.325	ug/l	97
22) Diisopropyl ether	6.216	45	162668	53.566	ug/l	99
23) Vinyl Acetate	6.152	43	388242	251.662	ug/l	100
24) 1,1-Dichloroethane	6.104	63	102129	52.249	ug/l	96
25) 2-Butanone	7.087	43	70731	232.940	ug/l	100
26) 2,2-Dichloropropane	7.075	77	76593	47.468	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	63315	51.808	ug/l	97
28) Bromochloromethane	7.428	49	41486	54.966	ug/l	96
29) Tetrahydrofuran	7.446	42	46583	267.695	ug/l	98
30) Chloroform	7.593	83	100799	52.444	ug/l	88
31) Cyclohexane	7.875	56	91559	48.244	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	86257	50.874	ug/l	99
36) 1,1-Dichloropropene	8.004	75	80836	50.547	ug/l	100
37) Ethyl Acetate	7.175	43	33695	52.592	ug/l	98
38) Carbon Tetrachloride	7.993	117	73110	51.587	ug/l	98
39) Methylcyclohexane	9.269	83	97762	50.539	ug/l	98
40) Benzene	8.251	78	230922	51.498	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	18319	52.678	ug/l	94
42) 1,2-Dichloroethane	8.328	62	58902	51.434	ug/l	99
43) Isopropyl Acetate	8.357	43	63018	53.314	ug/l	98
44) Trichloroethene	9.028	130	59405	50.389	ug/l	98
45) 1,2-Dichloropropane	9.304	63	57310	50.819	ug/l	98
46) Dibromomethane	9.393	93	30413	52.430	ug/l	97
47) Bromodichloromethane	9.581	83	73620	51.527	ug/l	95
48) Methyl methacrylate	9.381	41	30179	52.759	ug/l	98
49) 1,4-Dioxane	9.381	88	6845	1078.276	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	161946	260.772	ug/l	99
52) Toluene	10.334	92	144496	52.315	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	68189	53.493	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	86566	52.489	ug/l	99
55) 1,1,2-Trichloroethane	10.728	97	41155	53.861	ug/l	96
56) Ethyl methacrylate	10.598	69	55812	55.760	ug/l	98
57) 1,3-Dichloropropane	10.875	76	72744	52.675	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	64271	223.088	ug/l	99
59) 2-Hexanone	10.916	43	109175	251.331	ug/l	100
60) Dibromochloromethane	11.069	129	48265	52.748	ug/l	99
61) 1,2-Dibromoethane	11.175	107	37514	51.122	ug/l	95
64) Tetrachloroethene	10.810	164	47809	48.879	ug/l	95
65) Chlorobenzene	11.604	112	149595	50.323	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.675	131	53426	52.335	ug/l	97
67) Ethyl Benzene	11.681	91	282367	51.775	ug/l	100
68) m/p-Xylenes	11.787	106	215427	103.121	ug/l	99
69) o-Xylene	12.116	106	99558	52.148	ug/l	98
70) Styrene	12.128	104	173687	53.418	ug/l	99
71) Bromoform	12.292	173	28005	51.123	ug/l #	96
73) Isopropylbenzene	12.416	105	267088	51.659	ug/l	99
74) N-amyl acetate	12.228	43	59198	51.809	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	46053	51.265	ug/l	98
76) 1,2,3-Trichloropropane	12.716	75	31605m	50.814	ug/l	
77) Bromobenzene	12.692	156	58813	52.057	ug/l	96
78) n-propylbenzene	12.757	91	330344	51.507	ug/l	99
79) 2-Chlorotoluene	12.839	91	175363	51.846	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	219243	51.859	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	12300	49.563	ug/l #	100
82) 4-Chlorotoluene	12.939	91	180596	51.487	ug/l	98
83) tert-Butylbenzene	13.157	119	191665	51.125	ug/l	99
84) 1,2,4-Trimethylbenzene	13.204	105	213904	51.428	ug/l	99
85) sec-Butylbenzene	13.339	105	286054	51.419	ug/l	99
86) p-Isopropyltoluene	13.451	119	239197	51.447	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	116570	50.194	ug/l	97
88) 1,4-Dichlorobenzene	13.528	146	114388	50.398	ug/l	99
89) n-Butylbenzene	13.781	91	233933	51.371	ug/l	99
90) Hexachloroethane	14.045	117	43548	49.628	ug/l	95
91) 1,2-Dichlorobenzene	13.822	146	101022	51.591	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.439	75	6772	50.713	ug/l	93
93) 1,2,4-Trichlorobenzene	15.086	180	67034	50.748	ug/l	99
94) Hexachlorobutadiene	15.192	225	39437	52.551	ug/l	97
95) Naphthalene	15.322	128	128480	52.474	ug/l	100
96) 1,2,3-Trichlorobenzene	15.510	180	58994	51.965	ug/l	100

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

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