

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101822\
 Data File : VD074557.D
 Acq On : 18 Oct 2022 10:41
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

10/19/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Oct 19 01:28:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 12 13:14:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	89538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	147459	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	132156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	60173	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	38794	50.336	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.680%	
35) Dibromofluoromethane	7.804	113	47704	53.923	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.840%	
50) Toluene-d8	10.269	98	182169	53.828	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.660%	
62) 4-Bromofluorobenzene	12.575	95	53398	51.684	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.360%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	41552	48.000	ug/l	93
3) Chloromethane	2.146	50	50298	46.685	ug/l	90
4) Vinyl Chloride	2.281	62	56865	51.022	ug/l	99
5) Bromomethane	2.687	94	41658	52.685	ug/l	94
6) Chloroethane	2.834	64	38765	52.131	ug/l	99
7) Trichlorofluoromethane	3.175	101	80774	47.359	ug/l	97
8) Diethyl Ether	3.593	74	24149	47.167	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.969	101	52661	45.937	ug/l	99
10) Methyl Iodide	4.163	142	65215	42.932	ug/l	98
11) Tert butyl alcohol	5.040	59	14325	104.367	ug/l #	96
12) 1,1-Dichloroethene	3.940	96	53546	45.857	ug/l	86
13) Acrolein	3.793	56	9703	246.365	ug/l	98
14) Allyl chloride	4.563	41	60440	47.547	ug/l	100
15) Acrylonitrile	5.258	53	49950	245.082	ug/l	99
16) Acetone	4.022	43	45532	273.881	ug/l	96
17) Carbon Disulfide	4.269	76	146327	42.384	ug/l	98
18) Methyl Acetate	4.558	43	22349	42.247	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	106127	47.761	ug/l	98
20) Methylene Chloride	4.799	84	59463	41.971	ug/l	92
21) trans-1,2-Dichloroethene	5.310	96	59052	46.952	ug/l	94
22) Diisopropyl ether	6.216	45	121474	47.795	ug/l	98
23) Vinyl Acetate	6.152	43	290211	263.017	ug/l	98
24) 1,1-Dichloroethane	6.110	63	91192	46.351	ug/l	100
25) 2-Butanone	7.081	43	56351	245.548	ug/l	96
26) 2,2-Dichloropropane	7.081	77	83413	48.165	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	66343	49.525	ug/l	98
28) Bromochloromethane	7.422	49	27022	52.018	ug/l	97
29) Tetrahydrofuran	7.440	42	32114	253.750	ug/l	98
30) Chloroform	7.593	83	96204	50.469	ug/l	100
31) Cyclohexane	7.881	56	73117	44.589	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	87781	50.855	ug/l	99
36) 1,1-Dichloropropene	8.004	75	73661	52.050	ug/l	98
37) Ethyl Acetate	7.169	43	24328	52.376	ug/l	99
38) Carbon Tetrachloride	7.993	117	72608	55.490	ug/l	98
39) Methylcyclohexane	9.269	83	89702	50.641	ug/l	96
40) Benzene	8.251	78	217634	51.670	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.399	41	13807	51.807	ug/l	#	88
42) 1,2-Dichloroethane	8.328	62	50919	51.160	ug/l		99
43) Isopropyl Acetate	8.363	43	44726	52.407	ug/l		99
44) Trichloroethene	9.028	130	63264	52.503	ug/l		96
45) 1,2-Dichloropropane	9.304	63	50174	52.286	ug/l		98
46) Dibromomethane	9.393	93	29034	53.848	ug/l		95
47) Bromodichloromethane	9.587	83	70919	53.209	ug/l		99
48) Methyl methacrylate	9.381	41	20527	49.703	ug/l		99
49) 1,4-Dioxane	9.387	88	5905	1054.192	ug/l		94
51) 4-Methyl-2-Pentanone	10.157	43	113940	269.871	ug/l		99
52) Toluene	10.334	92	142715	53.611	ug/l		98
53) t-1,3-Dichloropropene	10.551	75	64791	55.756	ug/l		100
54) cis-1,3-Dichloropropene	10.016	75	79479	54.152	ug/l		95
55) 1,1,2-Trichloroethane	10.734	97	39928	55.241	ug/l		98
56) Ethyl methacrylate	10.598	69	45006	54.016	ug/l		95
57) 1,3-Dichloropropane	10.881	76	63769	52.753	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.869	63	56125	297.533	ug/l		99
59) 2-Hexanone	10.922	43	81454	288.204	ug/l		100
60) Dibromochloromethane	11.075	129	47530	54.672	ug/l		99
61) 1,2-Dibromoethane	11.181	107	37424	55.647	ug/l		99
64) Tetrachloroethene	10.810	164	50991	51.527	ug/l		97
65) Chlorobenzene	11.610	112	150802	53.160	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.681	131	53521	55.602	ug/l		99
67) Ethyl Benzene	11.687	91	271786	54.051	ug/l		98
68) m/p-Xylenes	11.792	106	211161	105.316	ug/l		100
69) o-Xylene	12.122	106	98693	52.902	ug/l		99
70) Styrene	12.134	104	172099	54.592	ug/l		99
71) Bromoform	12.298	173	27988	57.081	ug/l	#	97
73) Isopropylbenzene	12.422	105	261223	53.964	ug/l		100
74) N-amyl acetate	12.234	43	40306	53.165	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.669	83	41555	54.270	ug/l		99
76) 1,2,3-Trichloropropane	12.722	75	28005m	54.458	ug/l		
77) Bromobenzene	12.698	156	60766	55.487	ug/l		98
78) n-propylbenzene	12.763	91	316742	54.085	ug/l		99
79) 2-Chlorotoluene	12.851	91	166741	53.047	ug/l		99
80) 1,3,5-Trimethylbenzene	12.904	105	211553	53.773	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.469	75	11927	58.832	ug/l		96
82) 4-Chlorotoluene	12.945	91	172561	54.696	ug/l		100
83) tert-Butylbenzene	13.169	119	191418	55.565	ug/l		99
84) 1,2,4-Trimethylbenzene	13.210	105	210159	53.924	ug/l		97
85) sec-Butylbenzene	13.345	105	282827	53.880	ug/l		97
86) p-Isopropyltoluene	13.457	119	232022	53.234	ug/l		99
87) 1,3-Dichlorobenzene	13.457	146	118906	52.995	ug/l		99
88) 1,4-Dichlorobenzene	13.539	146	120082	53.930	ug/l		99
89) n-Butylbenzene	13.786	91	223425	54.877	ug/l		98
90) Hexachloroethane	14.051	117	41774	54.285	ug/l		99
91) 1,2-Dichlorobenzene	13.828	146	105416	55.077	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5693	54.385	ug/l		98
93) 1,2,4-Trichlorobenzene	15.098	180	70058	55.511	ug/l		99
94) Hexachlorobutadiene	15.204	225	36349	55.395	ug/l		98
95) Naphthalene	15.333	128	131563	55.199	ug/l		100
96) 1,2,3-Trichlorobenzene	15.522	180	60260	55.934	ug/l		97

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

