

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111722\
 Data File : VD074961.D
 Acq On : 17 Nov 2022 10:43
 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 11/18/2022
 Supervised By :Mahesh Dadoda 11/18/2022

Quant Time: Nov 17 22:34:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	133865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	221784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	205347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	96360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	45952	51.885	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.760%			
35) Dibromofluoromethane	7.805	113	60379	44.164	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 88.320%			
50) Toluene-d8	10.269	98	217819	48.367	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.740%			
62) 4-Bromofluorobenzene	12.575	95	72204	52.214	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.420%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	45599	51.007	ug/l	93
3) Chloromethane	2.146	50	74331	53.218	ug/l	91
4) Vinyl Chloride	2.287	62	95097	50.664	ug/l	100
5) Bromomethane	2.693	94	82567	58.748	ug/l	97
6) Chloroethane	2.840	64	72561	52.642	ug/l	99
7) Trichlorofluoromethane	3.181	101	115758	54.126	ug/l	97
8) Diethyl Ether	3.599	74	32593	53.154	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.970	101	73462	53.827	ug/l	98
10) Methyl Iodide	4.164	142	90370	55.137	ug/l	98
11) Tert butyl alcohol	5.046	59	14963	230.456	ug/l #	95
12) 1,1-Dichloroethene	3.946	96	73768	55.490	ug/l	89
13) Acrolein	3.799	56	10950	299.541	ug/l	98
14) Allyl chloride	4.564	41	79426	55.856	ug/l	99
15) Acrylonitrile	5.252	53	65652	273.978	ug/l	100
16) Acetone	4.022	43	61586	278.685	ug/l	96
17) Carbon Disulfide	4.275	76	195847	51.786	ug/l	98
18) Methyl Acetate	4.564	43	30989	53.885	ug/l	97
19) Methyl tert-butyl Ether	5.317	73	147275	55.335	ug/l	99
20) Methylene Chloride	4.805	84	89200	46.657	ug/l	90
21) trans-1,2-Dichloroethene	5.317	96	84204	55.856	ug/l	94
22) Diisopropyl ether	6.216	45	186644	58.889	ug/l	94
23) Vinyl Acetate	6.158	43	397810	292.441	ug/l	98
24) 1,1-Dichloroethane	6.116	63	133844	56.549	ug/l	98
25) 2-Butanone	7.087	43	68522	237.116	ug/l	98
26) 2,2-Dichloropropane	7.081	77	106000	47.655	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	81251	48.582	ug/l	99
28) Bromochloromethane	7.428	49	39146	51.265	ug/l	91
29) Tetrahydrofuran	7.446	42	38275	239.281	ug/l	96
30) Chloroform	7.599	83	126759	48.902	ug/l	99
31) Cyclohexane	7.881	56	86950	44.553	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	111172	49.765	ug/l	97
36) 1,1-Dichloropropene	8.011	75	93018	46.295	ug/l	99
37) Ethyl Acetate	7.169	43	28998	43.010	ug/l	96
38) Carbon Tetrachloride	7.993	117	86655	45.817	ug/l	95
39) Methylcyclohexane	9.275	83	104709	48.645	ug/l	98
40) Benzene	8.252	78	280621	48.571	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	15215	42.549	ug/l #	86
42) 1,2-Dichloroethane	8.328	62	65563	47.418	ug/l	100
43) Isopropyl Acetate	8.363	43	54409	45.819	ug/l	99
44) Trichloroethene	9.028	130	77299	50.642	ug/l	98
45) 1,2-Dichloropropane	9.305	63	67590	52.066	ug/l	94
46) Dibromomethane	9.393	93	37535	51.629	ug/l	91
47) Bromodichloromethane	9.587	83	93798	51.986	ug/l	97
48) Methyl methacrylate	9.381	41	26016	49.457	ug/l	97
49) 1,4-Dioxane	9.387	88	7369	1032.955	ug/l	95
51) 4-Methyl-2-Pentanone	10.163	43	145611	257.215	ug/l	97
52) Toluene	10.334	92	183843	53.220	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	85381	53.567	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	102780	52.581	ug/l	100
55) 1,1,2-Trichloroethane	10.734	97	53148	52.575	ug/l	98
56) Ethyl methacrylate	10.599	69	56750	46.646	ug/l	97
57) 1,3-Dichloropropane	10.881	76	85938	52.878	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	105509	247.037	ug/l	97
59) 2-Hexanone	10.922	43	101754	257.838	ug/l	100
60) Dibromochloromethane	11.075	129	62830	52.392	ug/l	100
61) 1,2-Dibromoethane	11.181	107	48915	51.739	ug/l	99
64) Tetrachloroethene	10.810	164	63511	46.129	ug/l	94
65) Chlorobenzene	11.610	112	196871	49.008	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.687	131	68577	48.723	ug/l	95
67) Ethyl Benzene	11.687	91	351607	50.240	ug/l	98
68) m/p-Xylenes	11.793	106	279154	100.041	ug/l	99
69) o-Xylene	12.122	106	128937	50.224	ug/l	97
70) Styrene	12.140	104	224619	51.042	ug/l	99
71) Bromoform	12.299	173	35704	49.015	ug/l #	98
73) Isopropylbenzene	12.422	105	340749	51.376	ug/l	99
74) N-amyl acetate	12.234	43	49417	45.286	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	57122	48.690	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	40774m	50.591	ug/l	
77) Bromobenzene	12.704	156	75538	48.669	ug/l	94
78) n-propylbenzene	12.769	91	413747	50.750	ug/l	99
79) 2-Chlorotoluene	12.851	91	221998	50.537	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	281318	50.905	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.475	75	15501	47.314	ug/l	98
82) 4-Chlorotoluene	12.951	91	230940	50.484	ug/l	98
83) tert-Butylbenzene	13.169	119	238094	49.653	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	277172	50.711	ug/l	99
85) sec-Butylbenzene	13.345	105	371643	50.952	ug/l	100
86) p-Isopropyltoluene	13.463	119	309369	51.009	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	156850	48.581	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	153467	47.892	ug/l	99
89) n-Butylbenzene	13.793	91	282593	50.186	ug/l	98
90) Hexachloroethane	14.057	117	54029	49.738	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	132947	48.423	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	7383	45.645	ug/l	88
93) 1,2,4-Trichlorobenzene	15.104	180	76001	45.476	ug/l	98
94) Hexachlorobutadiene	15.210	225	39169	45.437	ug/l	98
95) Naphthalene	15.334	128	146402	47.197	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	66257	45.845	ug/l	99

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

