

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111021\
 Data File : VD070979.D
 Acq On : 10 Nov 2021 19:56
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/11/2021
 Supervised By :Mahesh Dadoda 11/16/2021

Quant Time: Nov 11 06:31:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	273255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	503141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	464377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	215189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	143147	49.202	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.400%		
35) Dibromofluoromethane	7.909	113	131506	46.319	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.640%		
50) Toluene-d8	10.332	98	496238	44.631	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.260%		
62) 4-Bromofluorobenzene	12.620	95	180913	45.190	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	111908	47.934	ug/l	94
3) Chloromethane	2.209	50	163458	58.839	ug/l	98
4) Vinyl Chloride	2.344	62	164218	61.465	ug/l	99
5) Bromomethane	2.762	94	114235	62.730	ug/l	96
6) Chloroethane	2.915	64	113684	66.251	ug/l	94
7) Trichlorofluoromethane	3.268	101	228522	53.147	ug/l	99
8) Diethyl Ether	3.709	74	81196	57.058	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.091	101	134828	50.869	ug/l	96
10) Methyl Iodide	4.297	142	155869	49.279	ug/l	98
11) Tert butyl alcohol	5.220	59	56487	265.665	ug/l	98
12) 1,1-Dichloroethene	4.062	96	134295	51.756	ug/l	88
13) Acrolein	3.915	56	14612	224.298	ug/l	97
14) Allyl chloride	4.709	41	289531	53.570	ug/l #	84
15) Acrylonitrile	5.415	53	200960	295.123	ug/l	96
16) Acetone	4.150	43	178723	229.258	ug/l	90
17) Carbon Disulfide	4.403	76	425509	50.787	ug/l	97
18) Methyl Acetate	4.715	43	157939	63.277	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	397663	59.366	ug/l	100
20) Methylene Chloride	4.956	84	189509	57.353	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	163018	54.813	ug/l	90
22) Diisopropyl ether	6.362	45	613023	57.053	ug/l	95
23) Vinyl Acetate	6.303	43	1502048	260.908	ug/l	96
24) 1,1-Dichloroethane	6.262	63	326300	56.857	ug/l	98
25) 2-Butanone	7.203	43	266501	261.457	ug/l	90
26) 2,2-Dichloropropane	7.203	77	248465	51.299	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	195233	57.426	ug/l	95
28) Bromochloromethane	7.544	49	141123	57.976	ug/l	89
29) Tetrahydrofuran	7.556	42	178330	301.676	ug/l	92
30) Chloroform	7.703	83	318693	58.408	ug/l	100
31) Cyclohexane	7.979	56	276649	46.239	ug/l	99
32) 1,1,1-Trichloroethane	7.897	97	260246	55.534	ug/l	94
36) 1,1-Dichloropropene	8.108	75	229543	51.097	ug/l	97
37) Ethyl Acetate	7.291	43	119319	58.217	ug/l #	92
38) Carbon Tetrachloride	8.097	117	216632	52.365	ug/l	98
39) Methylcyclohexane	9.350	83	276533	47.663	ug/l	98
40) Benzene	8.344	78	679664	53.723	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	82845	56.115	ug/l #	65
42) 1,2-Dichloroethane	8.420	62	208923	58.303	ug/l	95
43) Isopropyl Acetate	8.444	43	248119	57.203	ug/l #	89
44) Trichloroethene	9.108	130	174026	53.367	ug/l	97
45) 1,2-Dichloropropane	9.379	63	183634	53.672	ug/l	94
46) Dibromomethane	9.473	93	95413	58.589	ug/l	95
47) Bromodichloromethane	9.655	83	243773	56.593	ug/l	99
48) Methyl methacrylate	9.450	41	114735	53.921	ug/l #	82
49) 1,4-Dioxane	9.455	88	21048	1115.494	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	623607	296.545	ug/l	91
52) Toluene	10.397	92	433118	54.310	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	233724	53.807	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	264946	51.725	ug/l #	81
55) 1,1,2-Trichloroethane	10.791	97	128316	57.329	ug/l	94
56) Ethyl methacrylate	10.655	69	180399	56.964	ug/l #	75
57) 1,3-Dichloropropane	10.938	76	233015	57.328	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	474180	288.014	ug/l	100
59) 2-Hexanone	10.973	43	426367	258.686	ug/l	89
60) Dibromochloromethane	11.132	129	154606	57.579	ug/l	99
61) 1,2-Dibromoethane	11.238	107	123943	56.927	ug/l	99
64) Tetrachloroethene	10.867	164	142867	52.760	ug/l	96
65) Chlorobenzene	11.661	112	453402	54.722	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	164545	55.952	ug/l	98
67) Ethyl Benzene	11.732	91	823427	52.478	ug/l	99
68) m/p-Xylenes	11.844	106	626141	106.770	ug/l	96
69) o-Xylene	12.167	106	303022	54.323	ug/l	97
70) Styrene	12.185	104	516734	54.711	ug/l	97
71) Bromoform	12.349	173	88566	57.751	ug/l #	99
73) Isopropylbenzene	12.467	105	773618	49.903	ug/l	100
74) N-amyl acetate	12.279	43	237197	53.556	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.720	83	146754	54.998	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	109052m	59.327	ug/l	
77) Bromobenzene	12.749	156	175007	52.835	ug/l	94
78) n-propylbenzene	12.808	91	969152	50.453	ug/l	99
79) 2-Chlorotoluene	12.896	91	559388	51.073	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	655714	51.372	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	40576	43.024	ug/l #	78
82) 4-Chlorotoluene	12.991	91	579976	51.308	ug/l	99
83) tert-Butylbenzene	13.208	119	560393	50.966	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	644857	51.587	ug/l	100
85) sec-Butylbenzene	13.391	105	831692	50.313	ug/l	100
86) p-Isopropyltoluene	13.502	119	676988	51.003	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	345936	53.415	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	341983	52.740	ug/l	98
89) n-Butylbenzene	13.826	91	670500	50.264	ug/l	100
90) Hexachloroethane	14.096	117	134511	51.210	ug/l	93
91) 1,2-Dichlorobenzene	13.873	146	304387	54.241	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	22598	51.637	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	196000	54.590	ug/l	97
94) Hexachlorobutadiene	15.249	225	95530	52.757	ug/l	100
95) Naphthalene	15.379	128	380517	55.504	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	167166	55.374	ug/l	98

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

