

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073087.D
 Acq On : 18 May 2022 06:35
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00 G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2022
 Supervised By : Mahesh Dadoda 05/18/2022

Quant Time: May 18 06:53:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	302468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	539581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	532016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	250958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	184833	48.864	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.720%		
35) Dibromofluoromethane	7.909	113	182195	48.092	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.180%		
50) Toluene-d8	10.332	98	695679	50.618	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.240%		
62) 4-Bromofluorobenzene	12.620	95	247642	49.748	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.500%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	133233	35.226	ug/l	100
3) Chloromethane	2.209	50	168659	43.255	ug/l	97
4) Vinyl Chloride	2.344	62	148532	41.420	ug/l	100
5) Bromomethane	2.762	94	107900	42.364	ug/l	95
6) Chloroethane	2.915	64	96368	43.154	ug/l	98
7) Trichlorofluoromethane	3.268	101	258342	39.367	ug/l	92
8) Diethyl Ether	3.709	74	83377	46.432	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.085	101	150145	38.636	ug/l	96
10) Methyl Iodide	4.291	142	177773	40.223	ug/l	98
11) Tert butyl alcohol	5.215	59	85705	146.485	ug/l #	91
12) 1,1-Dichloroethene	4.062	96	148190	42.170	ug/l	92
13) Acrolein	3.915	56	65488	186.855	ug/l	99
14) Allyl chloride	4.709	41	255649	45.918	ug/l	91
15) Acrylonitrile	5.415	53	202975	235.847	ug/l	98
16) Acetone	4.150	43	153716	224.562	ug/l	90
17) Carbon Disulfide	4.403	76	509552	43.294	ug/l	98
18) Methyl Acetate	4.715	43	94709	45.941	ug/l #	91
19) Methyl tert-butyl Ether	5.473	73	399493	48.611	ug/l	97
20) Methylene Chloride	4.962	84	217507	43.780	ug/l	84
21) trans-1,2-Dichloroethene	5.467	96	192498	46.051	ug/l	91
22) Diisopropyl ether	6.356	45	581514	48.661	ug/l	92
23) Vinyl Acetate	6.303	43	1568047	242.888	ug/l #	94
24) 1,1-Dichloroethane	6.256	63	344642	46.356	ug/l	97
25) 2-Butanone	7.209	43	241321	232.816	ug/l	93
26) 2,2-Dichloropropane	7.203	77	241626	38.388	ug/l	95
27) cis-1,2-Dichloroethene	7.203	96	218234	47.343	ug/l	91
28) Bromochloromethane	7.538	49	127619	50.111	ug/l	84
29) Tetrahydrofuran	7.561	42	162342	243.399	ug/l	93
30) Chloroform	7.703	83	368844	46.367	ug/l	98
31) Cyclohexane	7.979	56	262400	38.512	ug/l	90
32) 1,1,1-Trichloroethane	7.897	97	302015	44.315	ug/l	97
36) 1,1-Dichloropropene	8.103	75	256825	41.605	ug/l	97
37) Ethyl Acetate	7.291	43	110988	42.812	ug/l #	95
38) Carbon Tetrachloride	8.091	117	254725	40.333	ug/l	97
39) Methylcyclohexane	9.350	83	277204	38.511	ug/l	98
40) Benzene	8.344	78	790481	44.785	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	69261	47.379	ug/l	92
42) 1,2-Dichloroethane	8.414	62	225885	43.967	ug/l	96
43) Isopropyl Acetate	8.444	43	216872	44.995	ug/l #	92
44) Trichloroethene	9.103	130	203934	42.716	ug/l	95
45) 1,2-Dichloropropane	9.379	63	204505	44.616	ug/l	94
46) Dibromomethane	9.467	93	113013	44.589	ug/l	98
47) Bromodichloromethane	9.655	83	282487	43.882	ug/l	99
48) Methyl methacrylate	9.450	41	104264	43.611	ug/l #	84
49) 1,4-Dioxane	9.450	88	24730	937.177	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	582063	231.408	ug/l	95
52) Toluene	10.397	92	506794	45.225	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	246150	41.926	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	292088	42.196	ug/l #	87
55) 1,1,2-Trichloroethane	10.785	97	152775	44.161	ug/l	95
56) Ethyl methacrylate	10.650	69	185021	47.290	ug/l	88
57) 1,3-Dichloropropane	10.938	76	260862	44.316	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	432749	211.562	ug/l	96
59) 2-Hexanone	10.973	43	392786	236.390	ug/l	95
60) Dibromochloromethane	11.132	129	189870	44.176	ug/l	100
61) 1,2-Dibromoethane	11.238	107	149082	44.783	ug/l	99
64) Tetrachloroethene	10.867	164	161998	41.562	ug/l	92
65) Chlorobenzene	11.661	112	537630	44.568	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	202245	43.889	ug/l	98
67) Ethyl Benzene	11.738	91	962952	45.846	ug/l	100
68) m/p-Xylenes	11.844	106	758245	93.146	ug/l	98
69) o-Xylene	12.167	106	346670	46.180	ug/l	99
70) Styrene	12.185	104	621367	47.389	ug/l	97
71) Bromoform	12.349	173	109359	45.075	ug/l #	99
73) Isopropylbenzene	12.467	105	897652	47.189	ug/l	100
74) N-amyl acetate	12.279	43	215154	48.398	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	174834	46.620	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	123190m	43.424	ug/l	
77) Bromobenzene	12.749	156	215128	47.398	ug/l	93
78) n-propylbenzene	12.808	91	1115511	46.697	ug/l	99
79) 2-Chlorotoluene	12.896	91	656610	47.183	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	774115	47.769	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	49194	41.579	ug/l	91
82) 4-Chlorotoluene	12.991	91	685248	46.526	ug/l	99
83) tert-Butylbenzene	13.208	119	634958	46.257	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	781370	48.464	ug/l	99
85) sec-Butylbenzene	13.385	105	952780	45.728	ug/l	99
86) p-Isopropyltoluene	13.502	119	800098	47.209	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	430614	46.160	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	419574	45.515	ug/l	99
89) n-Butylbenzene	13.826	91	742641	45.058	ug/l	99
90) Hexachloroethane	14.096	117	159833	45.387	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	369377	45.652	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	26628	45.681	ug/l	86
93) 1,2,4-Trichlorobenzene	15.143	180	218100	47.244	ug/l	99
94) Hexachlorobutadiene	15.249	225	108259	42.013	ug/l	98
95) Naphthalene	15.379	128	418998	43.463	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	193039	47.099	ug/l	99

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

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