

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102122\
 Data File : VY011038.D
 Acq On : 21 Oct 2022 10:00
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/24/2022
 Supervised By :Mahesh Dadoda 10/24/2022

Quant Time: Oct 22 01:20:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	291968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	460716	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	407747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	197848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	122077	45.391	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.780%		
35) Dibromofluoromethane	7.722	113	128639	50.094	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.180%		
50) Toluene-d8	10.179	98	444872	46.246	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.500%		
62) 4-Bromofluorobenzene	12.483	95	168380	49.375	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	89205	46.061	ug/l	99
3) Chloromethane	2.119	50	122546	44.106	ug/l	95
4) Vinyl Chloride	2.253	62	154447	49.044	ug/l	99
5) Bromomethane	2.656	94	106847	49.054	ug/l	98
6) Chloroethane	2.796	64	107237	50.957	ug/l	99
7) Trichlorofluoromethane	3.131	101	239159	51.885	ug/l	92
8) Diethyl Ether	3.527	74	82282	47.836	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.905	101	149128	51.579	ug/l	95
10) Methyl Iodide	4.094	142	186622	52.750	ug/l	90
11) Tert butyl alcohol	4.948	59	71744	235.723	ug/l	97
12) 1,1-Dichloroethene	3.875	96	136203	49.177	ug/l	87
13) Acrolein	3.729	56	73827	170.276	ug/l	97
14) Allyl chloride	4.485	41	216668	49.331	ug/l #	89
15) Acrylonitrile	5.161	53	211168	235.520	ug/l	97
16) Acetone	3.948	43	197731	253.173	ug/l #	86
17) Carbon Disulfide	4.198	76	332300	40.925	ug/l	100
18) Methyl Acetate	4.478	43	98635	44.588	ug/l #	87
19) Methyl tert-butyl Ether	5.222	73	407850	52.704	ug/l	97
20) Methylene Chloride	4.716	84	164392	48.054	ug/l #	84
21) trans-1,2-Dichloroethene	5.222	96	155436	49.711	ug/l	88
22) Diisopropyl ether	6.118	45	496278	52.758	ug/l #	92
23) Vinyl Acetate	6.064	43	1476261	262.445	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	296092	52.134	ug/l	98
25) 2-Butanone	6.984	43	277715	234.474	ug/l #	87
26) 2,2-Dichloropropane	6.984	77	273553	54.240	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	188768	52.383	ug/l	89
28) Bromochloromethane	7.338	49	105616	52.305	ug/l	84
29) Tetrahydrofuran	7.344	42	167262	229.532	ug/l #	85
30) Chloroform	7.508	83	307108	53.642	ug/l	99
31) Cyclohexane	7.789	56	236070	45.870	ug/l	92
32) 1,1,1-Trichloroethane	7.703	97	270528	53.757	ug/l	96
36) 1,1-Dichloropropene	7.917	75	221393	51.621	ug/l	98
37) Ethyl Acetate	7.069	43	116941	49.249	ug/l #	94
38) Carbon Tetrachloride	7.905	117	239288	54.049	ug/l	99
39) Methylcyclohexane	9.185	83	264123	51.417	ug/l	92
40) Benzene	8.161	78	652001	51.812	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	59860m	46.520	ug/l	
42) 1,2-Dichloroethane	8.234	62	184452	52.900	ug/l	91
43) Isopropyl Acetate	8.277	43	214960	50.668	ug/l #	88
44) Trichloroethene	8.941	130	178928	52.469	ug/l	96
45) 1,2-Dichloropropane	9.215	63	167194	52.365	ug/l	95
46) Dibromomethane	9.307	93	93144	52.305	ug/l	97
47) Bromodichloromethane	9.496	83	234894	54.736	ug/l	99
48) Methyl methacrylate	9.295	41	96769	50.966	ug/l #	80
49) 1,4-Dioxane	9.295	88	24509	957.898	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	584154	246.895	ug/l #	88
52) Toluene	10.246	92	418449	53.525	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	239565	53.736	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	275090	53.921	ug/l #	83
55) 1,1,2-Trichloroethane	10.648	97	136121	52.985	ug/l	98
56) Ethyl methacrylate	10.508	69	184088	53.952	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	231464	52.402	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	445742	263.080	ug/l	96
59) 2-Hexanone	10.831	43	411857	253.413	ug/l	86
60) Dibromochloromethane	10.989	129	164827	53.956	ug/l	99
61) 1,2-Dibromoethane	11.093	107	127006	51.625	ug/l	100
64) Tetrachloroethene	10.721	164	170167	53.611	ug/l	97
65) Chlorobenzene	11.520	112	455103	54.365	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	172876	55.794	ug/l	97
67) Ethyl Benzene	11.593	91	824792	55.692	ug/l	99
68) m/p-Xylenes	11.703	106	631581	110.861	ug/l	94
69) o-Xylene	12.032	106	303751	56.150	ug/l	94
70) Styrene	12.044	104	516724	56.372	ug/l	96
71) Bromoform	12.209	173	104510	54.653	ug/l #	99
73) Isopropylbenzene	12.331	105	824112	57.333	ug/l	100
74) N-amyl acetate	12.142	43	192483	52.779	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	156064	51.734	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	122997m	54.758	ug/l	
77) Bromobenzene	12.611	156	184618	54.947	ug/l	98
78) n-propylbenzene	12.672	91	992307	56.740	ug/l	99
79) 2-Chlorotoluene	12.757	91	550056	55.849	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	685520	57.159	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	55936	53.558	ug/l #	84
82) 4-Chlorotoluene	12.855	91	562386	54.842	ug/l	98
83) tert-Butylbenzene	13.074	119	618066	59.596	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	675622	57.129	ug/l	98
85) sec-Butylbenzene	13.257	105	897073	57.563	ug/l	99
86) p-Isopropyltoluene	13.373	119	748063	57.862	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	373567	55.710	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	365703	54.850	ug/l	99
89) n-Butylbenzene	13.696	91	707291	58.546	ug/l	99
90) Hexachloroethane	13.965	117	143485	56.237	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	330554	55.097	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	24419	48.958	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	202043	56.348	ug/l	99
94) Hexachlorobutadiene	15.111	225	119906	56.813	ug/l	99
95) Naphthalene	15.239	128	405149	55.483	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	174814	55.885	ug/l	99

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

