

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031423\
 Data File : VY012932.D
 Acq On : 14 Mar 2023 10:32
 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 03/15/2023
 Supervised By :Mahesh Dadoda 03/15/2023

Quant Time: Mar 15 01:39:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	101996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	150043	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	137219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	72181	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	44533	43.975	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.960%		
35) Dibromofluoromethane	7.716	113	44689	49.352	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.700%		
50) Toluene-d8	10.179	98	154220	46.587	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.180%		
62) 4-Bromofluorobenzene	12.483	95	55909	50.038	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	44295	44.061	ug/l	99
3) Chloromethane	2.113	50	53057	44.146	ug/l	99
4) Vinyl Chloride	2.253	62	52553	47.685	ug/l	98
5) Bromomethane	2.656	94	33147	49.498	ug/l	88
6) Chloroethane	2.796	64	33255	50.384	ug/l	99
7) Trichlorofluoromethane	3.131	101	91762	50.131	ug/l	98
8) Diethyl Ether	3.534	74	31128	48.527	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.900	101	53790	48.844	ug/l	99
10) Methyl Iodide	4.095	142	69706	48.578	ug/l	98
11) Tert butyl alcohol	4.948	59	25815	219.175	ug/l	100
12) 1,1-Dichloroethene	3.875	96	51251	48.795	ug/l	99
13) Acrolein	3.729	56	28286	159.428	ug/l	99
14) Allyl chloride	4.479	41	87690	45.197	ug/l	97
15) Acrylonitrile	5.161	53	80827	239.146	ug/l	99
16) Acetone	3.948	43	104298	262.393	ug/l	99
17) Carbon Disulfide	4.198	76	156890	43.884	ug/l	100
18) Methyl Acetate	4.479	43	51913	43.856	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	138418	51.021	ug/l	97
20) Methylene Chloride	4.716	84	61321	50.622	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	57513	50.388	ug/l	95
22) Diisopropyl ether	6.119	45	179055	50.811	ug/l	96
23) Vinyl Acetate	6.058	43	545399	249.092	ug/l	99
24) 1,1-Dichloroethane	6.015	63	101754	50.674	ug/l	99
25) 2-Butanone	6.984	43	124126	252.124	ug/l	98
26) 2,2-Dichloropropane	6.984	77	92463	51.845	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	64581	52.774	ug/l	98
28) Bromochloromethane	7.332	49	36561	49.823	ug/l	96
29) Tetrahydrofuran	7.344	42	70035	235.864	ug/l	97
30) Chloroform	7.503	83	105625	53.253	ug/l	100
31) Cyclohexane	7.783	56	86590	44.646	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	93130	51.921	ug/l	99
36) 1,1-Dichloropropene	7.917	75	79903	52.657	ug/l	99
37) Ethyl Acetate	7.070	43	47561	49.729	ug/l	99
38) Carbon Tetrachloride	7.899	117	86400	55.137	ug/l	98
39) Methylcyclohexane	9.185	83	92012	51.003	ug/l	98
40) Benzene	8.161	78	230825	53.775	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	24597m	47.734	ug/l	
42) 1,2-Dichloroethane	8.234	62	69981	54.228	ug/l	100
43) Isopropyl Acetate	8.271	43	85353	50.020	ug/l	99
44) Trichloroethene	8.941	130	62193	54.955	ug/l	100
45) 1,2-Dichloropropane	9.216	63	57287	52.809	ug/l	100
46) Dibromomethane	9.307	93	34230	55.387	ug/l	99
47) Bromodichloromethane	9.496	83	80669	55.390	ug/l	97
48) Methyl methacrylate	9.295	41	38767	49.306	ug/l	92
49) 1,4-Dioxane	9.301	88	8575	1073.300	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	242248	261.722	ug/l	99
52) Toluene	10.246	92	144772	55.925	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	84733	55.468	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	95729	55.366	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	47633	55.344	ug/l	95
56) Ethyl methacrylate	10.508	69	63895	55.676	ug/l	98
57) 1,3-Dichloropropane	10.789	76	80543	54.943	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	163987	272.199	ug/l	99
59) 2-Hexanone	10.831	43	184593	274.404	ug/l	98
60) Dibromochloromethane	10.984	129	59199	56.505	ug/l	100
61) 1,2-Dibromoethane	11.093	107	45150	54.458	ug/l	100
64) Tetrachloroethene	10.721	164	52784	52.834	ug/l	99
65) Chlorobenzene	11.520	112	155372	53.951	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	59723	56.044	ug/l	100
67) Ethyl Benzene	11.593	91	275521	54.415	ug/l	100
68) m/p-Xylenes	11.703	106	214302	110.021	ug/l	100
69) o-Xylene	12.032	106	100698	55.393	ug/l	98
70) Styrene	12.044	104	170356	56.155	ug/l	99
71) Bromoform	12.209	173	38081	54.808	ug/l #	99
73) Isopropylbenzene	12.331	105	268758	52.538	ug/l	100
74) N-amyl acetate	12.142	43	77667	48.254	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	57440	49.951	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	38372m	44.517	ug/l	
77) Bromobenzene	12.611	156	65296	52.543	ug/l	95
78) n-propylbenzene	12.672	91	332790	52.766	ug/l	100
79) 2-Chlorotoluene	12.758	91	184779	52.715	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	223621	52.970	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	21002	50.486	ug/l	100
82) 4-Chlorotoluene	12.855	91	189313	52.174	ug/l	100
83) tert-Butylbenzene	13.075	119	194770	53.453	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	222636	53.931	ug/l	100
85) sec-Butylbenzene	13.258	105	295286	53.120	ug/l	100
86) p-Isopropyltoluene	13.373	119	246879	54.341	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	127505	53.198	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	126841	51.852	ug/l	98
89) n-Butylbenzene	13.697	91	230471	52.991	ug/l	100
90) Hexachloroethane	13.965	117	49103	51.892	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	115182	53.162	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9021	48.540	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	69289	51.941	ug/l	97
94) Hexachlorobutadiene	15.117	225	42273	51.955	ug/l	99
95) Naphthalene	15.239	128	140236	52.459	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	62520	52.696	ug/l	100

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

