

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032423\
 Data File : VY013083.D
 Acq On : 24 Mar 2023 17:16
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/27/2023
 Supervised By :Mahesh Dadoda 03/27/2023

Quant Time: Mar 25 03:36:15 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	102838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	152005	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	133476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	74380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	54043	52.929	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.860%			
35) Dibromofluoromethane	7.716	113	56316	61.390	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 122.780%			
50) Toluene-d8	10.179	98	178693	53.283	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.560%			
62) 4-Bromofluorobenzene	12.483	95	70213	62.029	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 124.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	48673	48.019	ug/l	98
3) Chloromethane	2.113	50	50953	42.048	ug/l	98
4) Vinyl Chloride	2.253	62	53839	48.451	ug/l	99
5) Bromomethane	2.649	94	34015	50.378	ug/l	88
6) Chloroethane	2.796	64	34600	51.992	ug/l	99
7) Trichlorofluoromethane	3.125	101	88740	48.083	ug/l	100
8) Diethyl Ether	3.527	74	27260	42.149	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.899	101	54322	48.923	ug/l	99
10) Methyl Iodide	4.088	142	70968	49.053	ug/l	98
11) Tert butyl alcohol	4.948	59	20846	171.173	ug/l	100
12) 1,1-Dichloroethene	3.869	96	49725	46.955	ug/l	92
13) Acrolein	3.729	56	23998	134.152	ug/l	97
14) Allyl chloride	4.478	41	87546	44.754	ug/l	96
15) Acrylonitrile	5.155	53	71070	208.556	ug/l	99
16) Acetone	3.948	43	87901	219.331	ug/l	98
17) Carbon Disulfide	4.192	76	165049	45.788	ug/l	98
18) Methyl Acetate	4.472	43	48009	40.226	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	126849	46.374	ug/l	97
20) Methylene Chloride	4.710	84	67369	55.699	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	57468	49.937	ug/l	97
22) Diisopropyl ether	6.118	45	180414	50.778	ug/l	99
23) Vinyl Acetate	6.057	43	516755	234.078	ug/l	98
24) 1,1-Dichloroethane	6.015	63	102521	50.637	ug/l	99
25) 2-Butanone	6.984	43	103979	209.472	ug/l	98
26) 2,2-Dichloropropane	6.978	77	90496	50.327	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	63399	51.384	ug/l	99
28) Bromochloromethane	7.332	49	33847	45.747	ug/l	99
29) Tetrahydrofuran	7.344	42	63443	211.914	ug/l	99
30) Chloroform	7.502	83	106455	53.232	ug/l	95
31) Cyclohexane	7.783	56	94464	48.307	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	93026	51.438	ug/l	98
36) 1,1-Dichloropropene	7.917	75	81199	52.820	ug/l	99
37) Ethyl Acetate	7.075	43	42275	43.631	ug/l	98
38) Carbon Tetrachloride	7.899	117	87926	55.387	ug/l	100
39) Methylcyclohexane	9.185	83	97043	53.098	ug/l	99
40) Benzene	8.161	78	230746	53.063	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	23584m	45.178	ug/l	
42) 1,2-Dichloroethane	8.234	62	67984	52.000	ug/l	100
43) Isopropyl Acetate	8.270	43	77703	44.949	ug/l	98
44) Trichloroethene	8.935	130	61507	53.647	ug/l	100
45) 1,2-Dichloropropane	9.215	63	58916	53.609	ug/l	96
46) Dibromomethane	9.307	93	32324	51.628	ug/l	99
47) Bromodichloromethane	9.496	83	79605	53.954	ug/l	98
48) Methyl methacrylate	9.295	41	37430	46.991	ug/l	98
49) 1,4-Dioxane	9.295	88	7504	927.124	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	230261	245.561	ug/l	99
52) Toluene	10.246	92	143758	54.817	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	79926	51.646	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	93624	53.449	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	44760	51.334	ug/l	98
56) Ethyl methacrylate	10.508	69	58366	50.202	ug/l	98
57) 1,3-Dichloropropane	10.788	76	77547	52.216	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	145540	238.461	ug/l	99
59) 2-Hexanone	10.831	43	165674	243.102	ug/l	99
60) Dibromochloromethane	10.983	129	53464	50.372	ug/l	100
61) 1,2-Dibromoethane	11.087	107	41076	48.904	ug/l	100
64) Tetrachloroethene	10.721	164	53437	54.987	ug/l	99
65) Chlorobenzene	11.514	112	150452	53.707	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	56132	54.151	ug/l	99
67) Ethyl Benzene	11.593	91	274792	55.793	ug/l	99
68) m/p-Xylenes	11.703	106	213312	112.583	ug/l	99
69) o-Xylene	12.032	106	98806	55.876	ug/l	100
70) Styrene	12.044	104	169559	57.460	ug/l	99
71) Bromoform	12.209	173	35346	52.298	ug/l #	98
73) Isopropylbenzene	12.331	105	269554	51.135	ug/l	100
74) N-amyl acetate	12.142	43	72822	43.907	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	54297	45.821	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	41936m	47.214	ug/l	
77) Bromobenzene	12.611	156	63613	49.675	ug/l	95
78) n-propylbenzene	12.672	91	336900	51.838	ug/l	100
79) 2-Chlorotoluene	12.757	91	183494	50.801	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	222910	51.241	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	18529	43.224	ug/l	99
82) 4-Chlorotoluene	12.855	91	191351	51.177	ug/l	99
83) tert-Butylbenzene	13.074	119	194729	51.861	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	220668	51.874	ug/l	99
85) sec-Butylbenzene	13.251	105	296775	51.809	ug/l	99
86) p-Isopropyltoluene	13.367	119	243363	51.983	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	126518	51.225	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	124528	49.402	ug/l	99
89) n-Butylbenzene	13.696	91	232721	51.926	ug/l	100
90) Hexachloroethane	13.958	117	49913	51.189	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	112957	50.594	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8585	44.829	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	66269	48.208	ug/l	97
94) Hexachlorobutadiene	15.111	225	42335	50.493	ug/l	98
95) Naphthalene	15.239	128	127168	46.164	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	58630	47.956	ug/l	98

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

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