

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040423\
 Data File : VY013188.D
 Acq On : 04 Apr 2023 10:39
 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 04/05/2023
 Supervised By :Mahesh Dadoda 04/05/2023

Quant Time: Apr 05 02:15:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 03 13:40:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	134856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	193778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	175411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	67638	46.670	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.340%		
35) Dibromofluoromethane	7.716	113	62703	49.533	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.060%		
50) Toluene-d8	10.179	98	234246	49.017	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.040%		
62) 4-Bromofluorobenzene	12.483	95	79226	50.931	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.860%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	62794	47.500	ug/l	97
3) Chloromethane	2.113	50	54803	39.752	ug/l	98
4) Vinyl Chloride	2.253	62	65997	47.748	ug/l	99
5) Bromomethane	2.649	94	42497	43.566	ug/l	93
6) Chloroethane	2.796	64	39582	45.716	ug/l	99
7) Trichlorofluoromethane	3.125	101	95334	38.754	ug/l	98
8) Diethyl Ether	3.533	74	34004	44.019	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	57330	42.271	ug/l	98
10) Methyl Iodide	4.088	142	77754	44.026	ug/l	98
11) Tert butyl alcohol	4.954	59	29829	228.361	ug/l	99
12) 1,1-Dichloroethene	3.875	96	54376	41.474	ug/l	96
13) Acrolein	3.729	56	41212	224.826	ug/l	100
14) Allyl chloride	4.478	41	109812	49.157	ug/l	96
15) Acrylonitrile	5.161	53	100145	260.891	ug/l	98
16) Acetone	3.942	43	125875	284.035	ug/l	100
17) Carbon Disulfide	4.192	76	179815	41.183	ug/l	99
18) Methyl Acetate	4.478	43	70474	50.469	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	171028	51.479	ug/l	99
20) Methylene Chloride	4.716	84	68499	44.146	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	69394	46.976	ug/l	97
22) Diisopropyl ether	6.118	45	199733	45.764	ug/l	97
23) Vinyl Acetate	6.057	43	590126	237.771	ug/l	95
24) 1,1-Dichloroethane	6.015	63	118442	45.822	ug/l	100
25) 2-Butanone	6.984	43	137765	248.612	ug/l	98
26) 2,2-Dichloropropane	6.978	77	114255	49.144	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	80365	50.499	ug/l	95
28) Bromochloromethane	7.332	49	46760	42.159	ug/l #	78
29) Tetrahydrofuran	7.344	42	76457	233.079	ug/l	91
30) Chloroform	7.508	83	131128	48.988	ug/l	100
31) Cyclohexane	7.783	56	101003	42.689	ug/l	89
32) 1,1,1-Trichloroethane	7.697	97	120625	50.970	ug/l	99
36) 1,1-Dichloropropene	7.917	75	96156	50.457	ug/l	98
37) Ethyl Acetate	7.069	43	52288	48.300	ug/l	99
38) Carbon Tetrachloride	7.899	117	112591	53.546	ug/l	99
39) Methylcyclohexane	9.185	83	115550	51.683	ug/l	96
40) Benzene	8.161	78	278000	50.507	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	24435m	50.879	ug/l	
42) 1,2-Dichloroethane	8.234	62	90516	53.675	ug/l	100
43) Isopropyl Acetate	8.270	43	96448	49.773	ug/l	95
44) Trichloroethene	8.941	130	80019	52.810	ug/l	100
45) 1,2-Dichloropropane	9.215	63	66658	48.362	ug/l	98
46) Dibromomethane	9.307	93	41950	52.982	ug/l	93
47) Bromodichloromethane	9.496	83	98974	51.806	ug/l	98
48) Methyl methacrylate	9.289	41	46404	51.419	ug/l	95
49) 1,4-Dioxane	9.295	88	10708	1136.806	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	263406	251.872	ug/l	97
52) Toluene	10.246	92	180343	52.820	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	104910	53.724	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	115997	52.012	ug/l	100
55) 1,1,2-Trichloroethane	10.642	97	58557	53.503	ug/l	96
56) Ethyl methacrylate	10.508	69	76258	55.417	ug/l	94
57) 1,3-Dichloropropane	10.788	76	95655	51.771	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	152973	237.747	ug/l	93
59) 2-Hexanone	10.831	43	206565	273.110	ug/l	97
60) Dibromochloromethane	10.983	129	76811	55.878	ug/l	100
61) 1,2-Dibromoethane	11.087	107	57427	54.154	ug/l	99
64) Tetrachloroethene	10.721	164	72431	53.711	ug/l	98
65) Chlorobenzene	11.514	112	196501	52.768	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	77982	55.859	ug/l	98
67) Ethyl Benzene	11.593	91	346178	53.825	ug/l	99
68) m/p-Xylenes	11.703	106	274347	110.270	ug/l	99
69) o-Xylene	12.032	106	129299	56.029	ug/l	96
70) Styrene	12.044	104	219781	56.933	ug/l	100
71) Bromoform	12.209	173	50926	58.827	ug/l #	98
73) Isopropylbenzene	12.331	105	340748	52.795	ug/l	100
74) N-amyl acetate	12.142	43	86541	48.836	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	66285	49.030	ug/l	97
76) 1,2,3-Trichloropropane	12.635	75	44866m	42.714	ug/l	
77) Bromobenzene	12.611	156	86784	54.084	ug/l	90
78) n-propylbenzene	12.672	91	410273	51.700	ug/l	99
79) 2-Chlorotoluene	12.757	91	230174	51.115	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	290445	53.826	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	24836	52.732	ug/l	99
82) 4-Chlorotoluene	12.855	91	237907	50.765	ug/l	98
83) tert-Butylbenzene	13.074	119	251522	54.269	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	286425	54.202	ug/l	100
85) sec-Butylbenzene	13.251	105	368891	52.713	ug/l	99
86) p-Isopropyltoluene	13.373	119	316527	54.943	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	168257	52.897	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	164930	51.744	ug/l	99
89) n-Butylbenzene	13.696	91	282756	52.502	ug/l	99
90) Hexachloroethane	13.964	117	59231	49.354	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	152014	53.512	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10094	44.870	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	91950	55.505	ug/l	97
94) Hexachlorobutadiene	15.111	225	56879	55.827	ug/l	98
95) Naphthalene	15.239	128	180692	51.398	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	82316	56.398	ug/l	99

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

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