

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052423\
 Data File : VY013838.D
 Acq On : 24 May 2023 11:31
 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 05/25/2023
 Supervised By :Mahesh Dadoda 05/25/2023

Quant Time: May 25 07:06:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	258926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	401550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	353527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	164861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	141817	47.343	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.680%		
35) Dibromofluoromethane	7.716	113	126068	48.614	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.220%		
50) Toluene-d8	10.179	98	461808	46.855	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.720%		
62) 4-Bromofluorobenzene	12.483	95	153418	46.829	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	116511	49.125	ug/l	99
3) Chloromethane	2.119	50	144901	50.149	ug/l	97
4) Vinyl Chloride	2.260	62	145802	49.343	ug/l	98
5) Bromomethane	2.656	94	99760	42.485	ug/l	97
6) Chloroethane	2.802	64	90293	46.894	ug/l	100
7) Trichlorofluoromethane	3.131	101	234311	47.116	ug/l	99
8) Diethyl Ether	3.534	74	73551	48.219	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.906	101	126580	46.953	ug/l	99
10) Methyl Iodide	4.101	142	165469	51.701	ug/l	99
11) Tert butyl alcohol	4.966	59	58889	256.623	ug/l #	83
12) 1,1-Dichloroethene	3.875	96	120872	47.724	ug/l	94
13) Acrolein	3.735	56	78487	227.381	ug/l	97
14) Allyl chloride	4.485	41	230063	49.756	ug/l	98
15) Acrylonitrile	5.168	53	197622	252.685	ug/l	100
16) Acetone	3.954	43	245419	276.041	ug/l	99
17) Carbon Disulfide	4.198	76	380016	50.266	ug/l	99
18) Methyl Acetate	4.479	43	153850	49.880	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	343286	49.666	ug/l	95
20) Methylene Chloride	4.722	84	155468	49.282	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	135667	49.277	ug/l	97
22) Diisopropyl ether	6.119	45	458831	51.395	ug/l	98
23) Vinyl Acetate	6.064	43	1370166	263.504	ug/l	99
24) 1,1-Dichloroethane	6.021	63	252270	48.403	ug/l	99
25) 2-Butanone	6.984	43	292343	269.473	ug/l	97
26) 2,2-Dichloropropane	6.984	77	218892	46.626	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	149189	48.237	ug/l	98
28) Bromochloromethane	7.332	49	69613	45.505	ug/l	97
29) Tetrahydrofuran	7.350	42	173038	267.150	ug/l	99
30) Chloroform	7.509	83	250475	47.402	ug/l	97
31) Cyclohexane	7.789	56	217562	47.271	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	224341	46.539	ug/l	99
36) 1,1-Dichloropropene	7.917	75	190514	48.234	ug/l	100
37) Ethyl Acetate	7.076	43	117754	48.874	ug/l	99
38) Carbon Tetrachloride	7.905	117	204060	45.429	ug/l	95
39) Methylcyclohexane	9.185	83	223391	48.294	ug/l	98
40) Benzene	8.161	78	537648	47.392	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	58575m	44.558	ug/l	
42) 1,2-Dichloroethane	8.240	62	173464	46.700	ug/l	99
43) Isopropyl Acetate	8.271	43	215345	49.048	ug/l	99
44) Trichloroethene	8.941	130	139321	45.583	ug/l	95
45) 1,2-Dichloropropane	9.216	63	140573	48.370	ug/l	99
46) Dibromomethane	9.307	93	79467	47.745	ug/l	98
47) Bromodichloromethane	9.496	83	190274	46.910	ug/l	99
48) Methyl methacrylate	9.295	41	103925	50.408	ug/l	99
49) 1,4-Dioxane	9.301	88	19635	1003.779	ug/l #	99
51) 4-Methyl-2-Pentanone	10.069	43	594753	254.193	ug/l	99
52) Toluene	10.246	92	330357	47.759	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	201263	48.745	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	221365	47.858	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	105990	47.334	ug/l	96
56) Ethyl methacrylate	10.508	69	147165	49.234	ug/l	98
57) 1,3-Dichloropropane	10.788	76	182300	47.803	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	207989	218.076	ug/l	100
59) 2-Hexanone	10.831	43	435123	261.443	ug/l	100
60) Dibromochloromethane	10.984	129	132284	46.702	ug/l	100
61) 1,2-Dibromoethane	11.087	107	101150	47.485	ug/l	99
64) Tetrachloroethene	10.721	164	118692	45.376	ug/l	95
65) Chlorobenzene	11.520	112	347066	46.841	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	132500	46.333	ug/l	100
67) Ethyl Benzene	11.593	91	634839	47.611	ug/l	99
68) m/p-Xylenes	11.703	106	480049	95.133	ug/l	99
69) o-Xylene	12.032	106	224377	47.205	ug/l	99
70) Styrene	12.044	104	383154	47.588	ug/l	100
71) Bromoform	12.209	173	87870	47.012	ug/l	97
73) Isopropylbenzene	12.331	105	596212	48.589	ug/l	99
74) N-amyl acetate	12.142	43	189436	51.349	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	127393	50.153	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	80646m	41.486	ug/l	
77) Bromobenzene	12.611	156	143269	47.585	ug/l	99
78) n-propylbenzene	12.672	91	734940	48.482	ug/l	99
79) 2-Chlorotoluene	12.758	91	403948	47.706	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	492877	48.661	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	44656	49.865	ug/l	97
82) 4-Chlorotoluene	12.855	91	413670	47.267	ug/l	98
83) tert-Butylbenzene	13.075	119	418894	47.485	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	480608	48.339	ug/l	100
85) sec-Butylbenzene	13.258	105	630333	48.101	ug/l	98
86) p-Isopropyltoluene	13.373	119	511650	47.240	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	272041	46.782	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	266842	46.091	ug/l	99
89) n-Butylbenzene	13.696	91	494226	47.584	ug/l	99
90) Hexachloroethane	13.965	117	102015	45.875	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	240246	46.487	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	21144	47.512	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	142168	44.374	ug/l	99
94) Hexachlorobutadiene	15.111	225	88451	43.786	ug/l	99
95) Naphthalene	15.239	128	286833	41.606	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	125055	43.892	ug/l	98

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

