

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011831.D
 Acq On : 14 Dec 2022 06:54
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

Quant Time: Dec 14 07:20:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	206221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	331116	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	306320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	151086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	72966	52.047	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.100%			
35) Dibromofluoromethane	7.722	113	76098	51.873	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.740%			
50) Toluene-d8	10.185	98	231985	47.806	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.620%			
62) 4-Bromofluorobenzene	12.483	95	99029	51.744	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	38379	40.724	ug/l	95
3) Chloromethane	2.113	50	53541	48.421	ug/l	99
4) Vinyl Chloride	2.253	62	60269	45.387	ug/l	99
5) Bromomethane	2.656	94	47134	53.537	ug/l	98
6) Chloroethane	2.796	64	45823	44.810	ug/l	99
7) Trichlorofluoromethane	3.131	101	118024	41.634	ug/l	99
8) Diethyl Ether	3.534	74	47998	48.339	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	71530	42.269	ug/l	99
10) Methyl Iodide	4.094	142	92568	46.720	ug/l	97
11) Tert butyl alcohol	4.948	59	49378	297.610	ug/l	100
12) 1,1-Dichloroethene	3.875	96	66612	43.646	ug/l	96
13) Acrolein	3.729	56	68309	234.973	ug/l	99
14) Allyl chloride	4.485	41	118105	46.588	ug/l	99
15) Acrylonitrile	5.161	53	136366	255.864	ug/l	99
16) Acetone	3.948	43	104628	185.809	ug/l	97
17) Carbon Disulfide	4.198	76	143523	41.179	ug/l	98
18) Methyl Acetate	4.485	43	65546	48.842	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	248576	52.019	ug/l	100
20) Methylene Chloride	4.722	84	107678	54.213	ug/l	100
21) trans-1,2-Dichloroethene	5.222	96	80688	47.039	ug/l	99
22) Diisopropyl ether	6.125	45	294804	53.300	ug/l	98
23) Vinyl Acetate	6.064	43	864143	273.858	ug/l	100
24) 1,1-Dichloroethane	6.021	63	164737	49.013	ug/l	99
25) 2-Butanone	6.984	43	165808	228.918	ug/l	98
26) 2,2-Dichloropropane	6.984	77	137072	43.347	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	104637	49.911	ug/l	99
28) Bromochloromethane	7.332	49	63790	52.131	ug/l	99
29) Tetrahydrofuran	7.350	42	107005	259.558	ug/l	100
30) Chloroform	7.508	83	184095	51.233	ug/l	98
31) Cyclohexane	7.789	56	107204	44.285	ug/l	99
32) 1,1,1-Trichloroethane	7.703	97	152563	47.608	ug/l	99
36) 1,1-Dichloropropene	7.923	75	111424	44.345	ug/l	100
37) Ethyl Acetate	7.076	43	72958	49.665	ug/l	99
38) Carbon Tetrachloride	7.899	117	133995	45.399	ug/l	98
39) Methylcyclohexane	9.185	83	118873	42.046	ug/l	98
40) Benzene	8.161	78	362683	48.316	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	36935m	49.806	ug/l	
42) 1,2-Dichloroethane	8.240	62	116386	50.139	ug/l	100
43) Isopropyl Acetate	8.277	43	134024	50.315	ug/l	99
44) Trichloroethene	8.941	130	98661	46.930	ug/l	99
45) 1,2-Dichloropropane	9.222	63	96606	49.725	ug/l	98
46) Dibromomethane	9.307	93	53237	48.953	ug/l	98
47) Bromodichloromethane	9.496	83	143673	51.137	ug/l	99
48) Methyl methacrylate	9.295	41	60094	51.181	ug/l	98
49) 1,4-Dioxane	9.301	88	14794	981.950	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	382879	260.865	ug/l	100
52) Toluene	10.246	92	235761	49.405	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	139051	49.549	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	154716	49.068	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	81763	50.867	ug/l	99
56) Ethyl methacrylate	10.514	69	108483	52.282	ug/l	99
57) 1,3-Dichloropropane	10.794	76	137136	51.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	246737	256.439	ug/l	100
59) 2-Hexanone	10.831	43	260361	248.277	ug/l	100
60) Dibromochloromethane	10.983	129	104286	51.801	ug/l	100
61) 1,2-Dibromoethane	11.087	107	73983	50.806	ug/l	99
64) Tetrachloroethene	10.721	164	102293	47.200	ug/l	99
65) Chlorobenzene	11.520	112	263073	47.664	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	106585	49.778	ug/l	99
67) Ethyl Benzene	11.593	91	465468	47.862	ug/l	100
68) m/p-Xylenes	11.703	106	359294	96.470	ug/l	99
69) o-Xylene	12.032	106	174635	49.193	ug/l	99
70) Styrene	12.044	104	303092	50.023	ug/l	99
71) Bromoform	12.209	173	65466	49.569	ug/l #	97
73) Isopropylbenzene	12.331	105	468444	47.855	ug/l	100
74) N-amyl acetate	12.142	43	114838	48.794	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	93624	49.111	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	62871m	41.130	ug/l	
77) Bromobenzene	12.611	156	111932	48.974	ug/l	99
78) n-propylbenzene	12.672	91	550473	46.925	ug/l	100
79) 2-Chlorotoluene	12.757	91	320892	47.930	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	397766	48.074	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	31133	46.217	ug/l	99
82) 4-Chlorotoluene	12.855	91	328179	47.260	ug/l	100
83) tert-Butylbenzene	13.074	119	346675	48.119	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	396086	48.620	ug/l	99
85) sec-Butylbenzene	13.251	105	499791	46.581	ug/l	99
86) p-Isopropyltoluene	13.373	119	424732	47.562	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	220723	47.989	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	217560	47.593	ug/l	99
89) n-Butylbenzene	13.696	91	376224	46.344	ug/l	100
90) Hexachloroethane	13.965	117	83770	47.208	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	201329	48.642	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15884	47.790	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	115712	47.933	ug/l	99
94) Hexachlorobutadiene	15.111	225	69056	45.022	ug/l	99
95) Naphthalene	15.239	128	240268	51.388	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	101277	48.570	ug/l	99

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

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