

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122123\
 Data File : VY016754.D
 Acq On : 21 Dec 2023 11:16
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 22 00:42:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/22/2023
 Supervised By :Semsettin Yesilyurt 12/22/2023

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

Internal Standards						
1) Pentafluorobenzene	7.813	168	148818	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.710	114	250115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	212356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	88266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	58358	42.956	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.920%		
35) Dibromofluoromethane	7.740	113	62787	43.824	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.640%		
50) Toluene-d8	10.197	98	235659	45.628	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.260%		
62) 4-Bromofluorobenzene	12.495	95	73313	43.753	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	60984	47.952	ug/l	98
3) Chloromethane	2.125	50	102695	52.532	ug/l	98
4) Vinyl Chloride	2.266	62	118250	53.553	ug/l	98
5) Bromomethane	2.674	94	81861	52.051	ug/l	98
6) Chloroethane	2.814	64	78368	52.377	ug/l	100
7) Trichlorofluoromethane	3.150	101	136491	53.062	ug/l	98
8) Diethyl Ether	3.552	74	41070	49.911	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.930	101	84556	53.587	ug/l	99
10) Methyl Iodide	4.119	142	86175	52.410	ug/l	99
11) Tert butyl alcohol	4.991	59	20700	185.835	ug/l #	90
12) 1,1-Dichloroethene	3.899	96	77076	54.861	ug/l	98
13) Acrolein	3.753	56	19573	227.742	ug/l	95
14) Allyl chloride	4.509	41	119104	55.349	ug/l	99
15) Acrylonitrile	5.198	53	84614	242.816	ug/l	99
16) Acetone	3.973	43	75911	206.635	ug/l	98
17) Carbon Disulfide	4.223	76	216155	56.545	ug/l	99
18) Methyl Acetate	4.509	43	74183	51.671	ug/l	100
19) Methyl tert-butyl Ether	5.253	73	180852	50.029	ug/l	97
20) Methylene Chloride	4.753	84	91870	49.745	ug/l	97
21) trans-1,2-Dichloroethene	5.253	96	89675	55.966	ug/l	99
22) Diisopropyl ether	6.149	45	271449	55.758	ug/l	94
23) Vinyl Acetate	6.088	43	576079	250.196	ug/l	99
24) 1,1-Dichloroethane	6.051	63	160166	54.767	ug/l	98
25) 2-Butanone	7.015	43	108988	215.478	ug/l	98
26) 2,2-Dichloropropane	7.015	77	139741	54.756	ug/l	100
27) cis-1,2-Dichloroethene	7.015	96	101065	54.805	ug/l	99
28) Bromochloromethane	7.362	49	59176	51.124	ug/l	99
29) Tetrahydrofuran	7.374	42	67324	243.426	ug/l	98
30) Chloroform	7.533	83	163078	54.472	ug/l	98
31) Cyclohexane	7.813	56	138575	53.238	ug/l	98
32) 1,1,1-Trichloroethane	7.728	97	142238	54.126	ug/l	99
36) 1,1-Dichloropropene	7.941	75	125544	54.658	ug/l	99
37) Ethyl Acetate	7.100	43	47602	48.352	ug/l	100
38) Carbon Tetrachloride	7.929	117	124038	54.574	ug/l	99
39) Methylcyclohexane	9.203	83	151461	57.114	ug/l	99
40) Benzene	8.185	78	369354	55.260	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	23478	44.916	ug/l	86
42) 1,2-Dichloroethane	8.258	62	91956	52.733	ug/l	99
43) Isopropyl Acetate	8.295	43	92085	48.159	ug/l	99
44) Trichloroethene	8.959	130	93753	54.956	ug/l	100
45) 1,2-Dichloropropane	9.234	63	91561	54.609	ug/l	100
46) Dibromomethane	9.325	93	45147	52.123	ug/l	98
47) Bromodichloromethane	9.514	83	122934	53.849	ug/l	97
48) Methyl methacrylate	9.307	41	54389	51.180	ug/l	99
49) 1,4-Dioxane	9.319	88	8359	994.301	ug/l	97
51) 4-Methyl-2-Pentanone	10.087	43	247761	243.191	ug/l	100
52) Toluene	10.258	92	225288	56.245	ug/l	100
53) t-1,3-Dichloropropene	10.477	75	109716	52.706	ug/l	100
54) cis-1,3-Dichloropropene	9.947	75	136205	54.245	ug/l	98
55) 1,1,2-Trichloroethane	10.660	97	63694	51.540	ug/l	97
56) Ethyl methacrylate	10.526	69	57197	52.634	ug/l	96
57) 1,3-Dichloropropane	10.807	76	108043	51.472	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.795	63	167962	287.316	ug/l	99
59) 2-Hexanone	10.843	43	173128	227.899	ug/l	99
60) Dibromochloromethane	11.002	129	75305	52.676	ug/l	98
61) 1,2-Dibromoethane	11.105	107	56123	50.640	ug/l	100
64) Tetrachloroethene	10.734	164	70437	53.396	ug/l	97
65) Chlorobenzene	11.532	112	228095	54.670	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.605	131	83619	53.268	ug/l	99
67) Ethyl Benzene	11.605	91	432206	56.282	ug/l	99
68) m/p-Xylenes	11.715	106	319069	112.516	ug/l	99
69) o-Xylene	12.044	106	146995	56.503	ug/l	100
70) Styrene	12.056	104	214802	55.798	ug/l	99
71) Bromoform	12.221	173	38628	49.357	ug/l #	97
73) Isopropylbenzene	12.343	105	403429	58.687	ug/l	100
74) N-amyl acetate	12.154	43	72416	50.196	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.593	83	68134	49.599	ug/l	100
76) 1,2,3-Trichloropropane	12.642	75	47952m	49.145	ug/l	
77) Bromobenzene	12.623	156	83432	55.633	ug/l	99
78) n-propylbenzene	12.684	91	491713	59.038	ug/l	99
79) 2-Chlorotoluene	12.770	91	263220	57.114	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	318598	58.549	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	20735	49.906	ug/l	99
82) 4-Chlorotoluene	12.867	91	268578	56.805	ug/l	99
83) tert-Butylbenzene	13.087	119	276148	58.342	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	314639	58.638	ug/l	99
85) sec-Butylbenzene	13.264	105	410458	58.547	ug/l	100
86) p-Isopropyltoluene	13.379	119	341725	58.529	ug/l	100
87) 1,3-Dichlorobenzene	13.379	146	161443	55.085	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	155818	54.448	ug/l	99
89) n-Butylbenzene	13.709	91	329843	59.099	ug/l	100
90) Hexachloroethane	13.971	117	67379	55.422	ug/l	100
91) 1,2-Dichlorobenzene	13.751	146	134644	53.927	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	8069	45.313	ug/l	97
93) 1,2,4-Trichlorobenzene	15.019	180	72415	54.660	ug/l	98
94) Hexachlorobutadiene	15.123	225	42502	56.483	ug/l	99
95) Naphthalene	15.251	128	128477	45.405	ug/l	100
96) 1,2,3-Trichlorobenzene	15.440	180	59768	52.971	ug/l	97

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

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