

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111723\
 Data File : VY016419.D
 Acq On : 17 Nov 2023 18:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 18 08:27:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

11/20/2023
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	145269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	237611	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.495	117	208797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97567	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.142	65	69598	52.420	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.840%	
35) Dibromofluoromethane	7.722	113	74437	55.147	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.300%	
50) Toluene-d8	10.185	98	280713	51.285	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.560%	
62) 4-Bromofluorobenzene	12.483	95	93958	52.852	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.700%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.906	85	65676	46.172	ug/l	98
3) Chloromethane	2.113	50	76011	45.628	ug/l	100
4) Vinyl Chloride	2.253	62	82882	46.268	ug/l	99
5) Bromomethane	2.656	94	55043	46.756	ug/l	99
6) Chloroethane	2.796	64	55146	48.245	ug/l	96
7) Trichlorofluoromethane	3.125	101	132487	50.836	ug/l	97
8) Diethyl Ether	3.533	74	41599	53.406	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.905	101	79327	50.536	ug/l	96
10) Methyl Iodide	4.094	142	91151	53.767	ug/l	98
11) Tert butyl alcohol	4.954	59	26024	250.304	ug/l #	80
12) 1,1-Dichloroethene	3.875	96	73865	50.317	ug/l	87
13) Acrolein	3.729	56	33492	267.069	ug/l	98
14) Allyl chloride	4.484	41	104336	50.085	ug/l #	90
15) Acrylonitrile	5.167	53	84635	273.800	ug/l	97
16) Acetone	3.948	43	62423	284.234	ug/l	91
17) Carbon Disulfide	4.198	76	209510	47.301	ug/l	97
18) Methyl Acetate	4.478	43	69422	59.488	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	192405	54.153	ug/l	99
20) Methylene Chloride	4.722	84	94341	61.616	ug/l #	85
21) trans-1,2-Dichloroethene	5.222	96	86169	50.981	ug/l	93
22) Diisopropyl ether	6.124	45	235430	52.440	ug/l #	87
23) Vinyl Acetate	6.063	43	549406	252.557	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	145836	52.655	ug/l	96
25) 2-Butanone	6.990	43	101935	264.992	ug/l	92
26) 2,2-Dichloropropane	6.984	77	129681	51.445	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	98088	53.849	ug/l	90
28) Bromochloromethane	7.338	49	56897	55.506	ug/l	83
29) Tetrahydrofuran	7.350	42	67221	264.383	ug/l	88
30) Chloroform	7.508	83	158539	54.993	ug/l	96
31) Cyclohexane	7.789	56	118848	45.466	ug/l	91
32) 1,1,1-Trichloroethane	7.703	97	142109	53.775	ug/l	97
36) 1,1-Dichloropropene	7.923	75	116087	49.530	ug/l	98
37) Ethyl Acetate	7.075	43	45519	48.067	ug/l #	93
38) Carbon Tetrachloride	7.905	117	129429	53.208	ug/l	98
39) Methylcyclohexane	9.185	83	143611	49.174	ug/l	91
40) Benzene	8.167	78	343353	52.142	ug/l	100

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11/20/2023
 Supervised By :Mahesh
 Dadoda

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	25858m	54.154	ug/l	
42) 1,2-Dichloroethane	8.240	62	91959	53.898	ug/l	93
43) Isopropyl Acetate	8.277	43	92103	50.315	ug/l #	89
44) Trichloroethene	8.947	130	98495	52.045	ug/l	99
45) 1,2-Dichloropropane	9.221	63	81508	51.541	ug/l	97
46) Dibromomethane	9.313	93	46345	54.080	ug/l	99
47) Bromodichloromethane	9.502	83	120964	54.904	ug/l	100
48) Methyl methacrylate	9.295	41	51981	51.381	ug/l #	84
49) 1,4-Dioxane	9.301	88	10031	1102.541	ug/l #	67
51) 4-Methyl-2-Pentanone	10.075	43	235638	254.563	ug/l	88
52) Toluene	10.246	92	217557	52.266	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	114724	53.714	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	137804	54.019	ug/l #	86
55) 1,1,2-Trichloroethane	10.648	97	66087	55.950	ug/l	96
56) Ethyl methacrylate	10.514	69	60903	54.622	ug/l #	81
57) 1,3-Dichloropropane	10.794	76	110572	54.918	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	212624	281.233	ug/l	92
59) 2-Hexanone	10.837	43	164167	238.433	ug/l	86
60) Dibromochloromethane	10.989	129	83985	56.853	ug/l	99
61) 1,2-Dibromoethane	11.093	107	62214	55.286	ug/l	99
64) Tetrachloroethene	10.721	164	101340	54.054	ug/l	97
65) Chlorobenzene	11.520	112	235991	52.901	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	91062	55.345	ug/l	99
67) Ethyl Benzene	11.599	91	420030	52.391	ug/l	98
68) m/p-Xylenes	11.709	106	318955	104.891	ug/l	95
69) o-Xylene	12.032	106	150641	53.357	ug/l	96
70) Styrene	12.050	104	221217	54.721	ug/l	97
71) Bromoform	12.215	173	48895	57.270	ug/l #	99
73) Isopropylbenzene	12.331	105	408387	51.689	ug/l	99
74) N-amyl acetate	12.148	43	75187	47.377	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.587	83	66153	52.180	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	47480m	50.729	ug/l	
77) Bromobenzene	12.611	156	95842	53.673	ug/l	92
78) n-propylbenzene	12.672	91	474434	50.812	ug/l	98
79) 2-Chlorotoluene	12.757	91	265124	51.524	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	334711	52.545	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	22603	52.419	ug/l	91
82) 4-Chlorotoluene	12.855	91	274111	51.553	ug/l	98
83) tert-Butylbenzene	13.081	119	297327	52.992	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	329928	52.601	ug/l	98
85) sec-Butylbenzene	13.257	105	411586	51.347	ug/l	99
86) p-Isopropyltoluene	13.373	119	363718	52.696	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	180470	52.532	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	175761	52.350	ug/l	99
89) n-Butylbenzene	13.702	91	325772	51.108	ug/l	96
90) Hexachloroethane	13.964	117	69907	52.505	ug/l	93
91) 1,2-Dichlorobenzene	13.745	146	158307	53.776	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9667	47.926	ug/l	86
93) 1,2,4-Trichlorobenzene	15.013	180	89643	52.169	ug/l	99
94) Hexachlorobutadiene	15.117	225	52193	53.018	ug/l	97
95) Naphthalene	15.239	128	160784	52.318	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	73761	51.899	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

