

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112723\
 Data File : VY016499.D
 Acq On : 27 Nov 2023 10:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 28 00:14:15 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
 11/28/2023

Supervised By :Mahesh
 Dadoda
 11/28/2023

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	144529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	222431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	196547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	92098	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.155	65	60649	45.914	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.820%
35) Dibromofluoromethane	7.728	113	68890	54.521	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.040%
50) Toluene-d8	10.191	98	249602	48.713	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.420%
62) 4-Bromofluorobenzene	12.496	95	85671	51.479	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.960%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.912	85	69082	48.815	ug/l	97
3) Chloromethane	2.119	50	74963	45.229	ug/l	97
4) Vinyl Chloride	2.260	62	85688	48.080	ug/l	98
5) Bromomethane	2.662	94	57377	48.988	ug/l	100
6) Chloroethane	2.808	64	54199	47.659	ug/l	95
7) Trichlorofluoromethane	3.137	101	137181	52.906	ug/l	97
8) Diethyl Ether	3.540	74	40594	52.383	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.912	101	78330	50.157	ug/l	98
10) Methyl Iodide	4.107	142	95821	56.811	ug/l	98
11) Tert butyl alcohol	4.972	59	24045	232.454	ug/l #	82
12) 1,1-Dichloroethene	3.887	96	76304	52.245	ug/l	84
13) Acrolein	3.741	56	31860	255.356	ug/l	98
14) Allyl chloride	4.497	41	90106	43.475	ug/l #	88
15) Acrylonitrile	5.180	53	76463	248.629	ug/l	96
16) Acetone	3.960	43	68529	313.634	ug/l #	85
17) Carbon Disulfide	4.210	76	220219	49.974	ug/l	99
18) Methyl Acetate	4.497	43	56220	48.422	ug/l #	82
19) Methyl tert-butyl Ether	5.241	73	182692	51.682	ug/l	99
20) Methylene Chloride	4.735	84	83279	54.248	ug/l #	80
21) trans-1,2-Dichloroethene	5.241	96	86655	51.531	ug/l	86
22) Diisopropyl ether	6.137	45	198411	44.421	ug/l #	85
23) Vinyl Acetate	6.076	43	478354	221.021	ug/l #	89
24) 1,1-Dichloroethane	6.039	63	132444	48.064	ug/l	96
25) 2-Butanone	7.003	43	95106	248.505	ug/l #	84
26) 2,2-Dichloropropane	6.996	77	127557	50.861	ug/l	95
27) cis-1,2-Dichloroethene	7.003	96	95664	52.787	ug/l	86
28) Bromochloromethane	7.350	49	46525	45.620	ug/l #	69
29) Tetrahydrofuran	7.362	42	57580	227.624	ug/l #	78
30) Chloroform	7.521	83	148588	51.805	ug/l	98
31) Cyclohexane	7.801	56	110889	42.638	ug/l #	82
32) 1,1,1-Trichloroethane	7.716	97	140010	53.252	ug/l	94
36) 1,1-Dichloropropene	7.935	75	111109	50.641	ug/l	96
37) Ethyl Acetate	7.094	43	40356	45.523	ug/l #	89
38) Carbon Tetrachloride	7.917	117	130242	57.196	ug/l	97
39) Methylcyclohexane	9.197	83	140069	51.234	ug/l	87
40) Benzene	8.173	78	326994	53.047	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	22725	50.841	ug/l	89
42) 1,2-Dichloroethane	8.252	62	85590	53.588	ug/l	91
43) Isopropyl Acetate	8.283	43	79146	46.187	ug/l #	84
44) Trichloroethene	8.953	130	99516	56.173	ug/l	95
45) 1,2-Dichloropropane	9.228	63	74913	50.603	ug/l	96
46) Dibromomethane	9.319	93	44451	55.409	ug/l	97
47) Bromodichloromethane	9.508	83	112541	54.567	ug/l	97
48) Methyl methacrylate	9.301	41	45207	47.735	ug/l #	78
49) 1,4-Dioxane	9.313	88	9417	1105.692	ug/l #	70
51) 4-Methyl-2-Pentanone	10.081	43	204549	236.058	ug/l #	84
52) Toluene	10.258	92	210904	54.126	ug/l	93
53) t-1,3-Dichloropropene	10.478	75	109024	54.529	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	128940	53.994	ug/l #	84
55) 1,1,2-Trichloroethane	10.654	97	62991	56.969	ug/l	95
56) Ethyl methacrylate	10.520	69	56941	54.553	ug/l #	77
57) 1,3-Dichloropropane	10.801	76	104126	55.246	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	179057	252.997	ug/l #	88
59) 2-Hexanone	10.843	43	152289	236.276	ug/l	82
60) Dibromochloromethane	10.996	129	82773	59.856	ug/l	98
61) 1,2-Dibromoethane	11.099	107	60320	57.261	ug/l	99
64) Tetrachloroethene	10.734	164	100879	57.162	ug/l	97
65) Chlorobenzene	11.526	112	230103	54.796	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	88407	57.080	ug/l	99
67) Ethyl Benzene	11.605	91	400255	53.036	ug/l	96
68) m/p-Xylenes	11.715	106	311703	108.895	ug/l	93
69) o-Xylene	12.044	106	147510	55.504	ug/l	93
70) Styrene	12.057	104	213938	56.218	ug/l	96
71) Bromoform	12.221	173	49315	61.362	ug/l #	99
73) Isopropylbenzene	12.343	105	397985	53.364	ug/l	99
74) N-amyl acetate	12.154	43	65369	43.637	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.593	83	63475	53.041	ug/l	100
76) 1,2,3-Trichloropropane	12.642	75	47948m	54.271	ug/l	
77) Bromobenzene	12.624	156	93770	55.631	ug/l	89
78) n-propylbenzene	12.684	91	453714	51.478	ug/l	97
79) 2-Chlorotoluene	12.770	91	255175	52.535	ug/l	97
80) 1,3,5-Trimethylbenzene	12.825	105	321765	53.512	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.392	75	21902	53.810	ug/l #	86
82) 4-Chlorotoluene	12.867	91	261348	52.072	ug/l	97
83) tert-Butylbenzene	13.087	119	282816	53.399	ug/l	97
84) 1,2,4-Trimethylbenzene	13.130	105	319596	53.980	ug/l	98
85) sec-Butylbenzene	13.264	105	394209	52.100	ug/l	98
86) p-Isopropyltoluene	13.379	119	346724	53.217	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	175481	54.113	ug/l	100
88) 1,4-Dichlorobenzene	13.459	146	173058	54.606	ug/l	99
89) n-Butylbenzene	13.709	91	307675	51.135	ug/l	95
90) Hexachloroethane	13.971	117	67702	53.868	ug/l	96
91) 1,2-Dichlorobenzene	13.751	146	152868	55.012	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.367	75	9583	50.331	ug/l	81
93) 1,2,4-Trichlorobenzene	15.019	180	87732	54.089	ug/l	99
94) Hexachlorobutadiene	15.123	225	53353	57.415	ug/l	97
95) Naphthalene	15.251	128	156353	53.897	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	71348	53.182	ug/l	99

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

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