

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
 Data File : VY013310.D
 Acq On : 14 Apr 2023 10:23
 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 :John Carlone 04/17/2023
 Supervised By :Mahesh Dadoda 04/17/2023

Quant Time: Apr 17 02:06:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	276057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	418337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	369327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	182231	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	159052	47.942	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.880%
35) Dibromofluoromethane	7.710	113	138692	51.210	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.420%
50) Toluene-d8	10.179	98	508573	50.450	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.900%
62) 4-Bromofluorobenzene	12.477	95	164485	50.219	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.440%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	133393	53.689	ug/l	99
3) Chloromethane	2.113	50	146389	47.030	ug/l	99
4) Vinyl Chloride	2.247	62	139967	47.428	ug/l	100
5) Bromomethane	2.650	94	96409	42.601	ug/l	93
6) Chloroethane	2.790	64	84363	42.388	ug/l	97
7) Trichlorofluoromethane	3.125	101	231113	50.316	ug/l	100
8) Diethyl Ether	3.527	74	87178	52.239	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.893	101	139456	51.666	ug/l	96
10) Methyl Iodide	4.088	142	186414	56.304	ug/l	98
11) Tert butyl alcohol	4.966	59	82633	200.109	ug/l	95
12) 1,1-Dichloroethene	3.869	96	134753	51.875	ug/l	95
13) Acrolein	3.723	56	97525	239.299	ug/l	98
14) Allyl chloride	4.472	41	251970	50.778	ug/l	98
15) Acrylonitrile	5.155	53	252619	263.428	ug/l	99
16) Acetone	3.948	43	324848	284.786	ug/l	99
17) Carbon Disulfide	4.192	76	445645	52.109	ug/l	99
18) Methyl Acetate	4.472	43	196235	53.192	ug/l	99
19) Methyl tert-butyl Ether	5.210	73	406310	52.215	ug/l	99
20) Methylene Chloride	4.710	84	162624	54.349	ug/l	96
21) trans-1,2-Dichloroethene	5.210	96	151033	50.933	ug/l	96
22) Diisopropyl ether	6.112	45	482025	49.290	ug/l	93
23) Vinyl Acetate	6.051	43	1576433	254.996	ug/l	98
24) 1,1-Dichloroethane	6.009	63	276481	50.612	ug/l	99
25) 2-Butanone	6.984	43	389877	266.944	ug/l	97
26) 2,2-Dichloropropane	6.972	77	238020	48.566	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	165656	51.376	ug/l	97
28) Bromochloromethane	7.332	49	108756	49.954	ug/l	100
29) Tetrahydrofuran	7.344	42	234664	264.543	ug/l	99
30) Chloroform	7.496	83	277157	50.136	ug/l	99
31) Cyclohexane	7.783	56	238242	47.493	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	247046	49.399	ug/l	99
36) 1,1-Dichloropropene	7.911	75	209672	51.104	ug/l	99
37) Ethyl Acetate	7.070	43	173285	52.395	ug/l	95
38) Carbon Tetrachloride	7.899	117	226860	50.005	ug/l	98
39) Methylcyclohexane	9.179	83	250323	52.482	ug/l	98
40) Benzene	8.155	78	605522	50.992	ug/l	99

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41) Methacrylonitrile	7.307	41	73271m	53.401	ug/l	
42) 1,2-Dichloroethane	8.228	62	201991	50.170	ug/l	99
43) Isopropyl Acetate	8.271	43	277251	50.470	ug/l	99
44) Trichloroethene	8.935	130	162287	53.052	ug/l	97
45) 1,2-Dichloropropane	9.209	63	160250	51.993	ug/l	99
46) Dibromomethane	9.301	93	96190	51.855	ug/l	98
47) Bromodichloromethane	9.490	83	217832	51.368	ug/l	98
48) Methyl methacrylate	9.289	41	134089	53.141	ug/l	98
49) 1,4-Dioxane	9.307	88	30098	1197.567	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	779702	260.803	ug/l	99
52) Toluene	10.240	92	368491	51.390	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	229519	51.682	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	255666	52.503	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	127826	52.262	ug/l	99
56) Ethyl methacrylate	10.508	69	182235	54.416	ug/l	98
57) 1,3-Dichloropropane	10.788	76	217971	52.398	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	346774	247.992	ug/l	98
59) 2-Hexanone	10.831	43	592262	272.454	ug/l	99
60) Dibromochloromethane	10.983	129	157933	51.498	ug/l	99
61) 1,2-Dibromoethane	11.087	107	127378	53.482	ug/l	98
64) Tetrachloroethene	10.715	164	134510	51.624	ug/l	96
65) Chlorobenzene	11.514	112	394835	51.105	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	151507	52.256	ug/l	98
67) Ethyl Benzene	11.593	91	689840	51.266	ug/l	99
68) m/p-Xylenes	11.703	106	540984	105.077	ug/l	99
69) o-Xylene	12.026	106	254032	53.276	ug/l	99
70) Styrene	12.044	104	427810	53.122	ug/l	97
71) Bromoform	12.203	173	106947	53.245	ug/l #	98
73) Isopropylbenzene	12.331	105	663053	53.045	ug/l	99
74) N-amyl acetate	12.142	43	232474	52.130	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	161099	52.171	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	117946m	51.942	ug/l	
77) Bromobenzene	12.605	156	164533	52.637	ug/l	99
78) n-propylbenzene	12.666	91	802223	51.965	ug/l	99
79) 2-Chlorotoluene	12.758	91	450086	51.795	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	555037	53.012	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	58787	53.732	ug/l	98
82) 4-Chlorotoluene	12.855	91	467063	50.983	ug/l	100
83) tert-Butylbenzene	13.075	119	487539	54.267	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	545382	53.522	ug/l	98
85) sec-Butylbenzene	13.251	105	705216	52.490	ug/l	100
86) p-Isopropyltoluene	13.367	119	588979	53.424	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	314143	52.136	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	313431	51.474	ug/l	99
89) n-Butylbenzene	13.696	91	551633	52.315	ug/l	99
90) Hexachloroethane	13.959	117	118742	51.656	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	288979	52.705	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	28552	50.917	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	184279	56.548	ug/l	99
94) Hexachlorobutadiene	15.111	225	104644	54.229	ug/l	100
95) Naphthalene	15.233	128	418304	52.198	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	165111	55.613	ug/l	98

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

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