

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060823\
 Data File : VY014086.D
 Acq On : 08 Jun 2023 20:22
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 09 04:25:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/09/2023
 Supervised By :Mahesh Dadoda 06/09/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	210439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	321920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	303358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	161696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	141711	50.871	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.740%			
35) Dibromofluoromethane	7.722	113	116652	57.019	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.040%			
50) Toluene-d8	10.179	98	416746	53.404	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.800%			
62) 4-Bromofluorobenzene	12.483	95	152031	57.145	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 114.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	83443	45.065	ug/l	92
3) Chloromethane	2.113	50	100902	39.346	ug/l	100
4) Vinyl Chloride	2.253	62	103165	43.425	ug/l	100
5) Bromomethane	2.662	94	86281	41.708	ug/l	94
6) Chloroethane	2.802	64	73119	43.005	ug/l	99
7) Trichlorofluoromethane	3.131	101	192731	51.318	ug/l	100
8) Diethyl Ether	3.534	74	69372	47.116	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.905	101	103686	53.743	ug/l	99
10) Methyl Iodide	4.094	142	114061	42.897	ug/l	98
11) Tert butyl alcohol	4.984	59	65353	114.149	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	94194	46.565	ug/l	99
13) Acrolein	3.735	56	42903	163.639	ug/l	96
14) Allyl chloride	4.491	41	172585	43.963	ug/l	98
15) Acrylonitrile	5.167	53	202619	247.991	ug/l	100
16) Acetone	3.960	43	193700	203.235	ug/l	98
17) Carbon Disulfide	4.204	76	236273	34.542	ug/l	98
18) Methyl Acetate	4.485	43	159673	46.371	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	333462	50.952	ug/l	97
20) Methylene Chloride	4.722	84	120049	46.269	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	105158	45.895	ug/l	95
22) Diisopropyl ether	6.125	45	388954	51.114	ug/l	97
23) Vinyl Acetate	6.064	43	1173768	245.925	ug/l	100
24) 1,1-Dichloroethane	6.027	63	207900	48.947	ug/l	98
25) 2-Butanone	6.996	43	272296	229.331	ug/l	97
26) 2,2-Dichloropropane	6.984	77	188167	48.815	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	129504	49.367	ug/l	98
28) Bromochloromethane	7.338	49	99593	49.649	ug/l	97
29) Tetrahydrofuran	7.356	42	179549	243.174	ug/l	99
30) Chloroform	7.515	83	234148	52.505	ug/l	99
31) Cyclohexane	7.789	56	147547	43.986	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	203986	53.925	ug/l	100
36) 1,1-Dichloropropene	7.923	75	151641	52.027	ug/l	99
37) Ethyl Acetate	7.076	43	126849	49.917	ug/l	99
38) Carbon Tetrachloride	7.905	117	184362	56.447	ug/l	98
39) Methylcyclohexane	9.185	83	163292	52.478	ug/l	98
40) Benzene	8.161	78	463318	51.530	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	64891	55.250	ug/l	90
42) 1,2-Dichloroethane	8.240	62	176470	53.524	ug/l	100
43) Isopropyl Acetate	8.277	43	222019	51.887	ug/l	99
44) Trichloroethene	8.941	130	122383	51.977	ug/l	96
45) 1,2-Dichloropropane	9.215	63	123597	53.267	ug/l	100
46) Dibromomethane	9.307	93	78637	52.938	ug/l	97
47) Bromodichloromethane	9.496	83	183726	54.905	ug/l	99
48) Methyl methacrylate	9.295	41	101923	52.333	ug/l	98
49) 1,4-Dioxane	9.319	88	24246	1122.380	ug/l #	48
51) 4-Methyl-2-Pentanone	10.069	43	661353	273.646	ug/l	100
52) Toluene	10.246	92	294869	53.534	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	197015	54.810	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	203446	53.012	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	109389	55.857	ug/l	98
56) Ethyl methacrylate	10.508	69	155299	55.231	ug/l	99
57) 1,3-Dichloropropane	10.788	76	182660	54.586	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	354001	255.336	ug/l	98
59) 2-Hexanone	10.831	43	470367	268.776	ug/l	100
60) Dibromochloromethane	10.983	129	138563	55.981	ug/l	100
61) 1,2-Dibromoethane	11.087	107	104231	52.973	ug/l	100
64) Tetrachloroethene	10.721	164	112508	54.136	ug/l	97
65) Chlorobenzene	11.514	112	327863	52.681	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	137005	56.548	ug/l	98
67) Ethyl Benzene	11.593	91	582670	54.089	ug/l	100
68) m/p-Xylenes	11.703	106	445644	108.299	ug/l	99
69) o-Xylene	12.026	106	215177	54.572	ug/l	99
70) Styrene	12.044	104	375742	55.480	ug/l	99
71) Bromoform	12.209	173	99809	55.878	ug/l	100
73) Isopropylbenzene	12.331	105	572615	53.653	ug/l	100
74) N-amyl acetate	12.142	43	202406	49.432	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	141309	50.660	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	108265m	49.756	ug/l	
77) Bromobenzene	12.611	156	145969	50.594	ug/l	99
78) n-propylbenzene	12.672	91	702216	53.686	ug/l	99
79) 2-Chlorotoluene	12.757	91	403322	52.085	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	487543	53.300	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	49804	48.558	ug/l	100
82) 4-Chlorotoluene	12.855	91	420492	51.633	ug/l	100
83) tert-Butylbenzene	13.074	119	424751	55.451	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	487778	53.389	ug/l	99
85) sec-Butylbenzene	13.251	105	621281	55.777	ug/l	100
86) p-Isopropyltoluene	13.367	119	519596	55.263	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	284520	51.928	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	283510	51.153	ug/l	99
89) n-Butylbenzene	13.696	91	486665	54.857	ug/l	99
90) Hexachloroethane	13.958	117	103448	52.424	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	260849	51.678	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	27214	50.584	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	163758	52.776	ug/l	99
94) Hexachlorobutadiene	15.111	225	94195	56.993	ug/l	99
95) Naphthalene	15.239	128	362701	48.206	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	148706	52.618	ug/l	99

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

