

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032323\
 Data File : VY013068.D
 Acq On : 23 Mar 2023 18:22
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/24/2023
 Supervised By :Mahesh Dadoda 03/24/2023

Quant Time: Mar 24 05:06:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	112610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	170409	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	154675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	82611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	62001	55.454	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.900%			
35) Dibromofluoromethane	7.710	113	62980	61.240	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 122.480%			
50) Toluene-d8	10.179	98	194674	51.779	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.560%			
62) 4-Bromofluorobenzene	12.477	95	76050	59.930	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 119.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	49713	44.789	ug/l	97
3) Chloromethane	2.107	50	51853	39.077	ug/l	99
4) Vinyl Chloride	2.247	62	53124	43.659	ug/l	97
5) Bromomethane	2.638	94	34931	47.245	ug/l	96
6) Chloroethane	2.784	64	34067	46.749	ug/l	99
7) Trichlorofluoromethane	3.119	101	82792	40.967	ug/l	99
8) Diethyl Ether	3.522	74	35000	49.421	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	56830	46.740	ug/l	99
10) Methyl Iodide	4.082	142	73416	46.341	ug/l	98
11) Tert butyl alcohol	4.936	59	35179	275.663	ug/l	97
12) 1,1-Dichloroethene	3.863	96	53762	46.361	ug/l	96
13) Acrolein	3.723	56	34569	176.476	ug/l	99
14) Allyl chloride	4.473	41	101568	47.416	ug/l	100
15) Acrylonitrile	5.149	53	101160	271.095	ug/l	100
16) Acetone	3.942	43	108942	248.244	ug/l	100
17) Carbon Disulfide	4.186	76	172898	43.803	ug/l	100
18) Methyl Acetate	4.473	43	69520	53.195	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	158928	53.060	ug/l	97
20) Methylene Chloride	4.710	84	69926	52.483	ug/l	99
21) trans-1,2-Dichloroethene	5.210	96	62059	49.246	ug/l	96
22) Diisopropyl ether	6.106	45	209236	53.780	ug/l	93
23) Vinyl Acetate	6.052	43	669002	276.745	ug/l	99
24) 1,1-Dichloroethane	6.009	63	113251	51.083	ug/l	98
25) 2-Butanone	6.978	43	150279	276.475	ug/l	98
26) 2,2-Dichloropropane	6.972	77	94894	48.193	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	69367	51.342	ug/l	99
28) Bromochloromethane	7.326	49	40987	50.590	ug/l	96
29) Tetrahydrofuran	7.338	42	94617	288.617	ug/l	99
30) Chloroform	7.503	83	113650	51.899	ug/l	99
31) Cyclohexane	7.783	56	99610	46.518	ug/l	96
32) 1,1,1-Trichloroethane	7.698	97	99350	50.168	ug/l	99
36) 1,1-Dichloropropene	7.911	75	86887	50.416	ug/l	99
37) Ethyl Acetate	7.070	43	60168	55.392	ug/l	99
38) Carbon Tetrachloride	7.899	117	91738	51.547	ug/l	98
39) Methylcyclohexane	9.179	83	102602	50.076	ug/l	97
40) Benzene	8.155	78	249955	51.273	ug/l	99

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41) Methacrylonitrile	7.301	41	32031m	54.732	ug/l	
42) 1,2-Dichloroethane	8.234	62	77322	52.756	ug/l	100
43) Isopropyl Acetate	8.271	43	108155	55.808	ug/l	100
44) Trichloroethene	8.935	130	64997	50.569	ug/l	95
45) 1,2-Dichloropropane	9.210	63	65114	52.850	ug/l	97
46) Dibromomethane	9.301	93	37997	54.134	ug/l	99
47) Bromodichloromethane	9.490	83	88253	53.356	ug/l	97
48) Methyl methacrylate	9.289	41	51981	58.212	ug/l	98
49) 1,4-Dioxane	9.295	88	11549	1272.784	ug/l	98
51) 4-Methyl-2-Pentanone	10.063	43	309748	294.654	ug/l	100
52) Toluene	10.240	92	154432	52.527	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	94327	54.369	ug/l	95
54) cis-1,3-Dichloropropene	9.923	75	103289	52.599	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	52401	53.607	ug/l	98
56) Ethyl methacrylate	10.508	69	74372	57.061	ug/l	99
57) 1,3-Dichloropropane	10.789	76	91059	54.692	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.777	63	193513	282.820	ug/l	99
59) 2-Hexanone	10.825	43	224419	293.737	ug/l	100
60) Dibromochloromethane	10.984	129	64419	54.139	ug/l	99
61) 1,2-Dibromoethane	11.087	107	50736	53.882	ug/l	100
64) Tetrachloroethene	10.715	164	59289	52.648	ug/l	97
65) Chlorobenzene	11.514	112	164960	50.816	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	62591	52.106	ug/l	99
67) Ethyl Benzene	11.587	91	294994	51.686	ug/l	100
68) m/p-Xylenes	11.697	106	228155	103.914	ug/l	100
69) o-Xylene	12.026	106	106128	51.791	ug/l	100
70) Styrene	12.038	104	184616	53.988	ug/l	100
71) Bromoform	12.203	173	42044	53.683	ug/l #	98
73) Isopropylbenzene	12.325	105	282909	48.322	ug/l	100
74) N-amyl acetate	12.142	43	97302	52.821	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	67516	51.300	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	46028m	46.658	ug/l	
77) Bromobenzene	12.605	156	67878	47.724	ug/l	99
78) n-propylbenzene	12.666	91	352187	48.791	ug/l	99
79) 2-Chlorotoluene	12.752	91	195139	48.642	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	237812	49.219	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	23667	49.709	ug/l	98
82) 4-Chlorotoluene	12.855	91	203094	48.905	ug/l	99
83) tert-Butylbenzene	13.075	119	208828	50.075	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	233829	49.491	ug/l	98
85) sec-Butylbenzene	13.251	105	312695	49.150	ug/l	99
86) p-Isopropyltoluene	13.367	119	255200	49.080	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	133735	48.752	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	133647	47.737	ug/l	98
89) n-Butylbenzene	13.697	91	241389	48.494	ug/l	100
90) Hexachloroethane	13.959	117	51217	47.293	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	122524	49.411	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10875	51.128	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	69654	45.622	ug/l	100
94) Hexachlorobutadiene	15.111	225	40913	43.935	ug/l	98
95) Naphthalene	15.233	128	148551	48.554	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	62057	45.702	ug/l	99

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

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