

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
 Data File : VY015948.D
 Acq On : 13 Oct 2023 10:28
 Operator : SY/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 :Mahesh Dadoda 10/16/2023
 Supervised By :Semsettin Yesilyurt 10/16/2023

Quant Time: Oct 13 16:06:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	225446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	368264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	344594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	176078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	116501	45.279	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.560%		
35) Dibromofluoromethane	7.728	113	110774	47.780	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.560%		
50) Toluene-d8	10.185	98	428575	49.362	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.720%		
62) 4-Bromofluorobenzene	12.489	95	153827	49.756	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	86792	46.009	ug/l	95
3) Chloromethane	2.113	50	124256	41.858	ug/l	96
4) Vinyl Chloride	2.253	62	114075	47.273	ug/l	98
5) Bromomethane	2.662	94	74740	54.757	ug/l	97
6) Chloroethane	2.796	64	66923	42.913	ug/l	94
7) Trichlorofluoromethane	3.125	101	189771	46.364	ug/l	99
8) Diethyl Ether	3.533	74	64307	42.038	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.893	101	102542	44.059	ug/l	95
10) Methyl Iodide	4.088	142	142271	53.161	ug/l	97
11) Tert butyl alcohol	5.051	59	265669m	177.969	ug/l	
12) 1,1-Dichloroethene	3.869	96	102302	46.661	ug/l	91
13) Acrolein	3.747	56	134432	276.642	ug/l	99
14) Allyl chloride	4.478	41	174615	49.286	ug/l	89
15) Acrylonitrile	5.186	53	317357	235.497	ug/l	97
16) Acetone	3.985	43	439445	294.020	ug/l #	87
17) Carbon Disulfide	4.192	76	318763	47.567	ug/l	98
18) Methyl Acetate	4.497	43	233357	45.012	ug/l	91
19) Methyl tert-butyl Ether	5.234	73	320797	43.647	ug/l	98
20) Methylene Chloride	4.722	84	132138	45.972	ug/l	91
21) trans-1,2-Dichloroethene	5.222	96	121146	47.272	ug/l	95
22) Diisopropyl ether	6.131	45	339778	46.184	ug/l	98
23) Vinyl Acetate	6.070	43	1062296	219.484	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	203820	46.563	ug/l	96
25) 2-Butanone	7.008	43	553198	254.312	ug/l	94
26) 2,2-Dichloropropane	6.990	77	176075	48.441	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	134957	46.835	ug/l	93
28) Bromochloromethane	7.344	49	94327	48.289	ug/l	91
29) Tetrahydrofuran	7.362	42	347419	232.993	ug/l	91
30) Chloroform	7.514	83	211691	46.594	ug/l	98
31) Cyclohexane	7.789	56	174275	42.549	ug/l	91
32) 1,1,1-Trichloroethane	7.710	97	188623	46.680	ug/l	97
36) 1,1-Dichloropropene	7.923	75	163245	46.665	ug/l	99
37) Ethyl Acetate	7.088	43	183476	33.992	ug/l	99
38) Carbon Tetrachloride	7.905	117	169259	45.943	ug/l	99
39) Methylcyclohexane	9.191	83	199314	44.409	ug/l	93
40) Benzene	8.167	78	471345	46.568	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	68637	38.567	ug/l #	88
42) 1,2-Dichloroethane	8.246	62	143275	44.116	ug/l	93
43) Isopropyl Acetate	8.411	43	51318	8.850	ug/l	96
44) Trichloroethene	8.947	130	147979	47.442	ug/l	98
45) 1,2-Dichloropropane	9.221	63	119671	46.335	ug/l	100
46) Dibromomethane	9.313	93	77895	42.907	ug/l	98
47) Bromodichloromethane	9.502	83	167308	45.639	ug/l	100
48) Methyl methacrylate	9.301	41	111773	43.639	ug/l	86
49) 1,4-Dioxane	9.337	88	70237	1387.309	ug/l #	56
51) 4-Methyl-2-Pentanone	10.075	43	925593	216.593	ug/l	90
52) Toluene	10.252	92	312104	48.229	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	199520	48.541	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	204008	46.171	ug/l #	88
55) 1,1,2-Trichloroethane	10.648	97	125261	48.462	ug/l	94
56) Ethyl methacrylate	10.514	69	198844	49.142	ug/l #	85
57) 1,3-Dichloropropane	10.794	76	207194	47.252	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	322743	181.766	ug/l	93
59) 2-Hexanone	10.837	43	983227	269.537	ug/l	87
60) Dibromochloromethane	10.989	129	141890	48.274	ug/l	100
61) 1,2-Dibromoethane	11.093	107	134405	48.058	ug/l	99
64) Tetrachloroethene	10.727	164	134954	44.926	ug/l	98
65) Chlorobenzene	11.520	112	339765	47.058	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	128158	47.950	ug/l	99
67) Ethyl Benzene	11.599	91	600168	47.539	ug/l	99
68) m/p-Xylenes	11.709	106	466691	95.788	ug/l	95
69) o-Xylene	12.038	106	224081	48.106	ug/l	97
70) Styrene	12.050	104	385682	48.652	ug/l	96
71) Bromoform	12.215	173	111028	48.781	ug/l #	99
73) Isopropylbenzene	12.337	105	579803	46.515	ug/l	100
74) N-amyl acetate	12.148	43	247745	49.198	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.587	83	175650	45.878	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	164729m	47.805	ug/l	
77) Bromobenzene	12.617	156	143967	46.008	ug/l	89
78) n-propylbenzene	12.678	91	707750	46.692	ug/l	99
79) 2-Chlorotoluene	12.763	91	401140	46.790	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	493921	47.696	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	74726	51.085	ug/l	90
82) 4-Chlorotoluene	12.861	91	420640	47.739	ug/l	100
83) tert-Butylbenzene	13.081	119	420626	46.224	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	491816	47.312	ug/l	98
85) sec-Butylbenzene	13.257	105	629083	46.582	ug/l	100
86) p-Isopropyltoluene	13.373	119	532529	47.188	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	281062	46.772	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	285099	46.982	ug/l	99
89) n-Butylbenzene	13.702	91	497203	46.852	ug/l	96
90) Hexachloroethane	13.964	117	101678	47.008	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	264243	46.867	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	56744	51.810	ug/l	86
93) 1,2,4-Trichlorobenzene	15.013	180	179210	48.359	ug/l	99
94) Hexachlorobutadiene	15.117	225	87415	46.457	ug/l	98
95) Naphthalene	15.239	128	604914	50.316	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	170526	47.997	ug/l	99

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

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