

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042023\
 Data File : VY013361.D
 Acq On : 20 Apr 2023 10:46
 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 :Krupa
 Patel

04/21/2023

Supervised By :Mahesh
 Dadoda

04/22/2023

Quant Time: Apr 21 02:13:22 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	7.789	168	252882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	370064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	324469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	158811	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.142	65	139946	46.049	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.100%
35) Dibromofluoromethane	7.716	113	132711	55.394	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.780%
50) Toluene-d8	10.179	98	448319	50.274	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.540%
62) 4-Bromofluorobenzene	12.483	95	148593	51.285	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.560%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.906	85	113158	49.719	ug/l	100
3) Chloromethane	2.113	50	128047	44.907	ug/l	100
4) Vinyl Chloride	2.253	62	129302	47.829	ug/l	98
5) Bromomethane	2.656	94	86321	41.639	ug/l	91
6) Chloroethane	2.796	64	80752	44.292	ug/l	95
7) Trichlorofluoromethane	3.131	101	225719	53.645	ug/l	99
8) Diethyl Ether	3.527	74	76187	49.837	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.899	101	124496	50.350	ug/l	97
10) Methyl Iodide	4.094	142	163575	53.933	ug/l	99
11) Tert butyl alcohol	4.984	59	61783	151.772	ug/l #	89
12) 1,1-Dichloroethene	3.875	96	117492	49.375	ug/l	98
13) Acrolein	3.735	56	73912	197.980	ug/l	98
14) Allyl chloride	4.478	41	203439	44.755	ug/l	96
15) Acrylonitrile	5.167	53	199863	227.515	ug/l	99
16) Acetone	3.948	43	247480	236.842	ug/l	99
17) Carbon Disulfide	4.198	76	358702	45.787	ug/l	99
18) Methyl Acetate	4.478	43	149504	44.239	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	361920	50.773	ug/l	96
20) Methylene Chloride	4.716	84	157238	57.624	ug/l	94
21) trans-1,2-Dichloroethene	5.222	96	136873	50.388	ug/l	97
22) Diisopropyl ether	6.118	45	403431	45.034	ug/l	91
23) Vinyl Acetate	6.064	43	1258953	222.305	ug/l	98
24) 1,1-Dichloroethane	6.021	63	239307	47.822	ug/l	98
25) 2-Butanone	6.990	43	287531	214.911	ug/l	97
26) 2,2-Dichloropropane	6.984	77	210096	46.797	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	153481	51.962	ug/l	96
28) Bromochloromethane	7.338	49	85484	42.863	ug/l	84
29) Tetrahydrofuran	7.350	42	167289	205.872	ug/l	93
30) Chloroform	7.508	83	255152	50.385	ug/l	95
31) Cyclohexane	7.789	56	180945	39.377	ug/l	94
32) 1,1,1-Trichloroethane	7.703	97	225613	49.248	ug/l	99
36) 1,1-Dichloropropene	7.917	75	176102	48.520	ug/l	98
37) Ethyl Acetate	7.076	43	122398	41.836	ug/l	99
38) Carbon Tetrachloride	7.905	117	204821	51.036	ug/l	99
39) Methylcyclohexane	9.185	83	205897	48.799	ug/l	98
40) Benzene	8.161	78	522385	49.729	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.313	41	54310	44.745	ug/l	#	100
42) 1,2-Dichloroethane	8.240	62	178020	49.984	ug/l		98
43) Isopropyl Acetate	8.270	43	207018	42.601	ug/l		96
44) Trichloroethene	8.941	130	144331	53.337	ug/l		99
45) 1,2-Dichloropropane	9.215	63	131171	48.110	ug/l		96
46) Dibromomethane	9.307	93	83057	50.616	ug/l		92
47) Bromodichloromethane	9.496	83	196329	52.337	ug/l		98
48) Methyl methacrylate	9.295	41	97760	43.797	ug/l		90
49) 1,4-Dioxane	9.313	88	23129	1040.324	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.069	43	558159	211.053	ug/l		98
52) Toluene	10.246	92	319391	50.353	ug/l		100
53) t-1,3-Dichloropropene	10.465	75	199012	50.658	ug/l		99
54) cis-1,3-Dichloropropene	9.929	75	224294	52.069	ug/l		98
55) 1,1,2-Trichloroethane	10.648	97	113108	52.277	ug/l		95
56) Ethyl methacrylate	10.508	69	151312	51.076	ug/l		96
57) 1,3-Dichloropropane	10.788	76	182746	49.661	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.782	63	275289	222.551	ug/l		97
59) 2-Hexanone	10.831	43	420491	218.668	ug/l		99
60) Dibromochloromethane	10.983	129	147696	54.442	ug/l		99
61) 1,2-Dibromoethane	11.087	107	110052	52.235	ug/l		100
64) Tetrachloroethene	10.721	164	124090	54.209	ug/l		96
65) Chlorobenzene	11.520	112	348921	51.406	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.593	131	139649	54.825	ug/l		99
67) Ethyl Benzene	11.593	91	598929	50.664	ug/l		98
68) m/p-Xylenes	11.703	106	475293	105.081	ug/l		99
69) o-Xylene	12.032	106	224509	53.594	ug/l		98
70) Styrene	12.044	104	381222	53.881	ug/l		98
71) Bromoform	12.209	173	99027	56.118	ug/l	#	97
73) Isopropylbenzene	12.331	105	574596	52.747	ug/l		99
74) N-amyl acetate	12.142	43	165592	42.608	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.581	83	128021	47.573	ug/l		98
76) 1,2,3-Trichloropropane	12.636	75	84343m	42.621	ug/l		
77) Bromobenzene	12.611	156	151790	55.721	ug/l		90
78) n-propylbenzene	12.672	91	681089	50.625	ug/l		98
79) 2-Chlorotoluene	12.757	91	391325	51.674	ug/l		97
80) 1,3,5-Trimethylbenzene	12.812	105	480789	52.692	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.379	75	45714	47.945	ug/l		97
82) 4-Chlorotoluene	12.855	91	406944	50.971	ug/l		99
83) tert-Butylbenzene	13.074	119	423589	54.102	ug/l		99
84) 1,2,4-Trimethylbenzene	13.123	105	487189	54.862	ug/l		99
85) sec-Butylbenzene	13.257	105	607142	51.855	ug/l		99
86) p-Isopropyltoluene	13.373	119	513129	53.408	ug/l		99
87) 1,3-Dichlorobenzene	13.367	146	282758	53.847	ug/l		100
88) 1,4-Dichlorobenzene	13.446	146	281143	52.981	ug/l		99
89) n-Butylbenzene	13.696	91	462051	50.282	ug/l		97
90) Hexachloroethane	13.965	117	102470	51.151	ug/l		92
91) 1,2-Dichlorobenzene	13.739	146	255417	53.453	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	22983	47.030	ug/l		96
93) 1,2,4-Trichlorobenzene	15.007	180	155150	54.631	ug/l		98
94) Hexachlorobutadiene	15.111	225	94659	56.288	ug/l		98
95) Naphthalene	15.239	128	324867	46.865	ug/l		99
96) 1,2,3-Trichlorobenzene	15.428	180	139567	53.942	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

