

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
 Data File : VY015093.D
 Acq On : 14 Aug 2023 20:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/15/2023
 Supervised By :Semsettin Yesilyurt 08/15/2023

Quant Time: Aug 15 02:25:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	195377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	325179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	296903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	156773	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	146720	62.559	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.120%	
35) Dibromofluoromethane	7.716	113	130632	62.444	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.880%	
50) Toluene-d8	10.179	98	476237	61.153	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 122.300%	
62) 4-Bromofluorobenzene	12.477	95	180192	63.350	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 126.700%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	38629	45.741	ug/l	99
3) Chloromethane	2.107	50	51624	43.768	ug/l	97
4) Vinyl Chloride	2.247	62	62376	40.121	ug/l	98
5) Bromomethane	2.638	94	51655	47.055	ug/l	99
6) Chloroethane	2.784	64	47820	42.366	ug/l	98
7) Trichlorofluoromethane	3.113	101	120289	45.918	ug/l	100
8) Diethyl Ether	3.528	74	57584	56.049	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	76818	47.183	ug/l	96
10) Methyl Iodide	4.082	142	71640	44.812	ug/l	96
11) Tert butyl alcohol	4.960	59	111015	290.107	ug/l #	80
12) 1,1-Dichloroethene	3.863	96	64452	47.408	ug/l	91
13) Acrolein	3.729	56	43468	293.437	ug/l	99
14) Allyl chloride	4.473	41	125494	52.064	ug/l	93
15) Acrylonitrile	5.161	53	215652	309.736	ug/l	99
16) Acetone	3.948	43	182397	238.061	ug/l	93
17) Carbon Disulfide	4.186	76	114341	47.790	ug/l	97
18) Methyl Acetate	4.473	43	177746	63.306	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	318996	55.184	ug/l	100
20) Methylene Chloride	4.704	84	109571	60.558	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	76905	50.150	ug/l	92
22) Diisopropyl ether	6.119	45	321758	53.497	ug/l #	91
23) Vinyl Acetate	6.058	43	988833	275.532	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	165693	50.885	ug/l	97
25) 2-Butanone	6.984	43	309401	285.207	ug/l	97
26) 2,2-Dichloropropane	6.978	77	131996	42.050	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	106335	50.762	ug/l	94
28) Bromochloromethane	7.332	49	80329	53.696	ug/l	93
29) Tetrahydrofuran	7.344	42	201394	310.474	ug/l	92
30) Chloroform	7.503	83	184411	50.520	ug/l	95
31) Cyclohexane	7.783	56	103761	49.505	ug/l	93
32) 1,1,1-Trichloroethane	7.698	97	149905	48.260	ug/l	98
36) 1,1-Dichloropropene	7.911	75	109136	47.155	ug/l	99
37) Ethyl Acetate	7.070	43	126380	58.582	ug/l	96
38) Carbon Tetrachloride	7.899	117	127280	46.468	ug/l	95
39) Methylcyclohexane	9.179	83	122710	47.296	ug/l	95
40) Benzene	8.155	78	347300	49.634	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	58355m	52.458	ug/l	
42) 1,2-Dichloroethane	8.234	62	131717	51.832	ug/l	95
43) Isopropyl Acetate	8.271	43	223964	57.009	ug/l	98
44) Trichloroethene	8.941	130	99114	49.166	ug/l	99
45) 1,2-Dichloropropane	9.216	63	99104	50.227	ug/l	98
46) Dibromomethane	9.301	93	68060	54.691	ug/l	96
47) Bromodichloromethane	9.496	83	152857	51.474	ug/l	99
48) Methyl methacrylate	9.289	41	99962	59.481	ug/l	93
49) 1,4-Dioxane	9.295	88	31041	1247.381	ug/l #	66
51) 4-Methyl-2-Pentanone	10.069	43	680609	298.926	ug/l	93
52) Toluene	10.240	92	227493	49.326	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	159497	51.107	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	167022	50.816	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	103932	54.926	ug/l	97
56) Ethyl methacrylate	10.508	69	159201	57.489	ug/l	90
57) 1,3-Dichloropropane	10.789	76	166129	53.738	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	385837	299.390	ug/l	93
59) 2-Hexanone	10.831	43	502352	298.113	ug/l	92
60) Dibromochloromethane	10.984	129	119272	52.842	ug/l	99
61) 1,2-Dibromoethane	11.087	107	97255	54.104	ug/l	100
64) Tetrachloroethene	10.715	164	109018	52.704	ug/l	95
65) Chlorobenzene	11.514	112	265990	49.170	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	114108	51.986	ug/l	98
67) Ethyl Benzene	11.593	91	459688	48.500	ug/l	99
68) m/p-Xylenes	11.697	106	349474	97.081	ug/l	96
69) o-Xylene	12.026	106	179115	49.947	ug/l	98
70) Styrene	12.044	104	315577	50.845	ug/l	97
71) Bromoform	12.203	173	86888	54.606	ug/l #	99
73) Isopropylbenzene	12.325	105	475133	47.131	ug/l	99
74) N-amyl acetate	12.142	43	201033	55.233	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	143298	54.578	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	102402m	53.764	ug/l	
77) Bromobenzene	12.605	156	118824	48.356	ug/l	93
78) n-propylbenzene	12.666	91	558649	46.666	ug/l	99
79) 2-Chlorotoluene	12.752	91	327479	47.420	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	395947	47.118	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	47286	54.530	ug/l	94
82) 4-Chlorotoluene	12.849	91	343693	48.173	ug/l	100
83) tert-Butylbenzene	13.075	119	366705	47.709	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	404684	48.194	ug/l	99
85) sec-Butylbenzene	13.252	105	530772	47.130	ug/l	99
86) p-Isopropyltoluene	13.367	119	437525	46.859	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	231481	47.494	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	232867	47.636	ug/l	98
89) n-Butylbenzene	13.690	91	418777	47.569	ug/l	96
90) Hexachloroethane	13.959	117	90011	48.593	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	226677	49.785	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	29395	57.794	ug/l	90
93) 1,2,4-Trichlorobenzene	15.001	180	145142	49.654	ug/l	96
94) Hexachlorobutadiene	15.111	225	75741	47.636	ug/l	97
95) Naphthalene	15.233	128	415169	57.016	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	137173	51.962	ug/l	96

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

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