

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016032.D
 Acq On : 18 Oct 2023 20:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Semsettin Yesilyurt 10/20/2023

Quant Time: Oct 19 03:28:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	203048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	331191	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	306424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	158192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	110527	47.893	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.780%		
35) Dibromofluoromethane	7.728	113	98393	45.136	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.280%		
50) Toluene-d8	10.185	98	352833	44.565	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.140%		
62) 4-Bromofluorobenzene	12.483	95	127684	45.198	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	77041	45.908	ug/l	97
3) Chloromethane	2.113	50	100833	47.586	ug/l	99
4) Vinyl Chloride	2.253	62	109825	46.181	ug/l	97
5) Bromomethane	2.662	94	76546	44.125	ug/l	98
6) Chloroethane	2.802	64	70155	45.877	ug/l	97
7) Trichlorofluoromethane	3.125	101	199507	55.125	ug/l	98
8) Diethyl Ether	3.540	74	75098	58.733	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.900	101	94859	45.565	ug/l	96
10) Methyl Iodide	4.089	142	121681	44.761	ug/l	97
11) Tert butyl alcohol	5.088	59	163397m	458.666	ug/l	
12) 1,1-Dichloroethene	3.875	96	89331	45.860	ug/l	88
13) Acrolein	3.747	56	98210	376.473	ug/l	99
14) Allyl chloride	4.485	41	148374	48.712	ug/l	94
15) Acrylonitrile	5.192	53	300230	393.588	ug/l	97
16) Acetone	3.997	43	312527	365.330	ug/l	94
17) Carbon Disulfide	4.192	76	265198	46.472	ug/l	98
18) Methyl Acetate	4.509	43	248169	84.285	ug/l	93
19) Methyl tert-butyl Ether	5.247	73	332176	52.859	ug/l	99
20) Methylene Chloride	4.723	84	129632	51.009	ug/l	91
21) trans-1,2-Dichloroethene	5.229	96	106504	46.951	ug/l	94
22) Diisopropyl ether	6.137	45	328022	49.458	ug/l	96
23) Vinyl Acetate	6.076	43	1116369	271.350	ug/l #	94
24) 1,1-Dichloroethane	6.027	63	186234	47.332	ug/l	97
25) 2-Butanone	7.015	43	461935	394.224	ug/l	94
26) 2,2-Dichloropropane	6.990	77	147092	41.550	ug/l	97
27) cis-1,2-Dichloroethene	6.997	96	122833	47.019	ug/l	92
28) Bromochloromethane	7.344	49	90559	53.816	ug/l	93
29) Tetrahydrofuran	7.375	42	325141	458.419	ug/l	91
30) Chloroform	7.515	83	200313	47.481	ug/l	97
31) Cyclohexane	7.789	56	158858	43.979	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	172274	45.639	ug/l	98
36) 1,1-Dichloropropene	7.923	75	148094	45.155	ug/l	99
37) Ethyl Acetate	7.094	43	211222	89.346	ug/l	99
38) Carbon Tetrachloride	7.905	117	156334	44.848	ug/l	100
39) Methylcyclohexane	9.191	83	184758	45.077	ug/l	91
40) Benzene	8.167	78	431951	46.730	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	73385	59.838	ug/l	90
42) 1,2-Dichloroethane	8.246	62	148514	49.878	ug/l	94
43) Isopropyl Acetate	8.283	43	266031	64.363	ug/l	97
44) Trichloroethene	8.947	130	126397	48.769	ug/l	97
45) 1,2-Dichloropropane	9.222	63	110668	47.839	ug/l	97
46) Dibromomethane	9.313	93	80126	52.173	ug/l	97
47) Bromodichloromethane	9.502	83	161752	48.055	ug/l	98
48) Methyl methacrylate	9.301	41	117710	62.564	ug/l	88
49) 1,4-Dioxane	9.374	88	55544	2271.306	ug/l #	59
51) 4-Methyl-2-Pentanone	10.075	43	913896	384.494	ug/l	91
52) Toluene	10.252	92	280208	46.736	ug/l	95
53) t-1,3-Dichloropropene	10.472	75	180449	49.488	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	188663	47.466	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	111027	52.622	ug/l	96
56) Ethyl methacrylate	10.514	69	177907	57.697	ug/l #	87
57) 1,3-Dichloropropane	10.795	76	186198	52.021	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	449898	303.767	ug/l	94
59) 2-Hexanone	10.837	43	747187	413.179	ug/l	89
60) Dibromochloromethane	10.990	129	130325	51.074	ug/l	100
61) 1,2-Dibromoethane	11.093	107	117384	54.667	ug/l	100
64) Tetrachloroethene	10.728	164	126566	53.267	ug/l	97
65) Chlorobenzene	11.520	112	307809	46.384	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	116495	46.574	ug/l	99
67) Ethyl Benzene	11.599	91	542759	46.220	ug/l	99
68) m/p-Xylenes	11.709	106	422581	92.284	ug/l	94
69) o-Xylene	12.032	106	201490	46.253	ug/l	97
70) Styrene	12.051	104	351729	47.373	ug/l	95
71) Bromoform	12.215	173	97626	55.468	ug/l #	99
73) Isopropylbenzene	12.337	105	526342	44.480	ug/l	99
74) N-amyl acetate	12.148	43	217319	58.144	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	161975	54.651	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	134413m	60.010	ug/l	
77) Bromobenzene	12.617	156	133197	46.375	ug/l	93
78) n-propylbenzene	12.678	91	640415	44.932	ug/l	100
79) 2-Chlorotoluene	12.764	91	362788	45.347	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	441579	45.052	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	61543	59.979	ug/l	93
82) 4-Chlorotoluene	12.861	91	378743	45.361	ug/l	99
83) tert-Butylbenzene	13.081	119	385427	44.845	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	441574	45.368	ug/l	98
85) sec-Butylbenzene	13.258	105	574564	44.761	ug/l	100
86) p-Isopropyltoluene	13.373	119	483937	45.114	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	255411	45.704	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	253478	45.050	ug/l	99
89) n-Butylbenzene	13.703	91	448826	44.945	ug/l	97
90) Hexachloroethane	13.965	117	91108	44.554	ug/l	90
91) 1,2-Dichlorobenzene	13.745	146	240142	46.804	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	42575	75.465	ug/l	90
93) 1,2,4-Trichlorobenzene	15.013	180	152104	46.535	ug/l	99
94) Hexachlorobutadiene	15.117	225	77007	43.376	ug/l	98
95) Naphthalene	15.239	128	490112	61.092	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	145251	48.651	ug/l	99

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

