

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120123\
 Data File : VY016570.D
 Acq On : 01 Dec 2023 18:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/04/2023
 Supervised By : Semsettin Yesilyurt 12/04/2023

Quant Time: Dec 01 23:41:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 30 03:28:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	153499	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.710	114	238293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	211708	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	102372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	65375	53.908	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.820%			
35) Dibromofluoromethane	7.734	113	72330	51.717	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.440%			
50) Toluene-d8	10.197	98	281068	51.816	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.640%			
62) 4-Bromofluorobenzene	12.496	95	93965	55.220	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.440%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	58806	43.980	ug/l	95
3) Chloromethane	2.125	50	50949	38.197	ug/l	98
4) Vinyl Chloride	2.266	62	56878	37.780	ug/l	99
5) Bromomethane	2.668	94	43215	44.343	ug/l	97
6) Chloroethane	2.808	64	38656	39.773	ug/l	97
7) Trichlorofluoromethane	3.144	101	124482	47.762	ug/l	97
8) Diethyl Ether	3.546	74	36976	53.415	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.918	101	69138	46.731	ug/l	96
10) Methyl Iodide	4.113	142	86355	51.591	ug/l	98
11) Tert butyl alcohol	4.972	59	21341	277.650	ug/l #	84
12) 1,1-Dichloroethene	3.893	96	66364	47.996	ug/l #	78
13) Acrolein	3.741	56	30646	210.412	ug/l	98
14) Allyl chloride	4.503	41	75464	47.475	ug/l #	87
15) Acrylonitrile	5.186	53	64974	265.244	ug/l	97
16) Acetone	3.967	43	50072	211.585	ug/l #	81
17) Carbon Disulfide	4.217	76	184548	47.307	ug/l	98
18) Methyl Acetate	4.497	43	49351	54.977	ug/l #	76
19) Methyl tert-butyl Ether	5.247	73	171429	56.893	ug/l	93
20) Methylene Chloride	4.741	84	75559	53.468	ug/l #	78
21) trans-1,2-Dichloroethene	5.247	96	78955	51.269	ug/l	86
22) Diisopropyl ether	6.143	45	169070	50.725	ug/l #	82
23) Vinyl Acetate	6.082	43	388910	253.022	ug/l #	83
24) 1,1-Dichloroethane	6.045	63	118047	50.185	ug/l	95
25) 2-Butanone	7.009	43	73782	225.500	ug/l #	77
26) 2,2-Dichloropropane	7.003	77	110998	47.744	ug/l	95
27) cis-1,2-Dichloroethene	7.009	96	88827	53.687	ug/l	83
28) Bromochloromethane	7.356	49	39181	46.089	ug/l #	51
29) Tetrahydrofuran	7.368	42	46694	265.649	ug/l #	69
30) Chloroform	7.527	83	140217	53.482	ug/l	97
31) Cyclohexane	7.807	56	89610	42.090	ug/l #	76
32) 1,1,1-Trichloroethane	7.722	97	130448	51.345	ug/l	93
36) 1,1-Dichloropropene	7.941	75	96618	46.783	ug/l	94
37) Ethyl Acetate	7.094	43	33407	51.610	ug/l #	88
38) Carbon Tetrachloride	7.917	117	122789	50.656	ug/l	97
39) Methylcyclohexane	9.203	83	123103	47.788	ug/l	86
40) Benzene	8.179	78	296547	50.642	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	19680	57.716	ug/l #	86
42) 1,2-Dichloroethane	8.258	62	79058	54.482	ug/l	91
43) Isopropyl Acetate	8.289	43	65845	51.730	ug/l #	78
44) Trichloroethene	8.960	130	94241	52.250	ug/l	92
45) 1,2-Dichloropropane	9.234	63	66188	50.092	ug/l	97
46) Dibromomethane	9.325	93	40850	54.981	ug/l	93
47) Bromodichloromethane	9.514	83	106316	54.198	ug/l	99
48) Methyl methacrylate	9.307	41	36129	50.558	ug/l #	74
49) 1,4-Dioxane	9.313	88	8679	1260.261	ug/l #	73
51) 4-Methyl-2-Pentanone	10.081	43	171245	257.889	ug/l #	81
52) Toluene	10.258	92	200092	53.193	ug/l	92
53) t-1,3-Dichloropropene	10.478	75	99573	54.778	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	116995	53.114	ug/l #	84
55) 1,1,2-Trichloroethane	10.660	97	59409	55.413	ug/l	93
56) Ethyl methacrylate	10.526	69	51850	57.148	ug/l #	74
57) 1,3-Dichloropropane	10.807	76	94282	54.595	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.795	63	150915	268.989	ug/l #	82
59) 2-Hexanone	10.843	43	121283	231.230	ug/l	78
60) Dibromochloromethane	10.996	129	81482	58.146	ug/l	99
61) 1,2-Dibromoethane	11.099	107	56555	55.860	ug/l	99
64) Tetrachloroethene	10.734	164	102657	54.485	ug/l	96
65) Chlorobenzene	11.532	112	220962	52.117	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.605	131	88061	54.181	ug/l	99
67) Ethyl Benzene	11.605	91	378796	50.897	ug/l	96
68) m/p-Xylenes	11.715	106	299161	103.865	ug/l	91
69) o-Xylene	12.044	106	142612	53.933	ug/l	94
70) Styrene	12.057	104	210406	55.303	ug/l	95
71) Bromoform	12.221	173	49171	58.570	ug/l #	98
73) Isopropylbenzene	12.343	105	380916	49.066	ug/l	97
74) N-amyl acetate	12.154	43	55325	50.462	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.593	83	57158	49.599	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	44125m	51.336	ug/l	
77) Bromobenzene	12.624	156	94046	52.026	ug/l	84
78) n-propylbenzene	12.685	91	422371	47.555	ug/l	95
79) 2-Chlorotoluene	12.770	91	241890	48.966	ug/l	94
80) 1,3,5-Trimethylbenzene	12.825	105	316503	50.716	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.392	75	18371	46.614	ug/l	87
82) 4-Chlorotoluene	12.867	91	253508	49.981	ug/l	96
83) tert-Butylbenzene	13.087	119	281066	49.905	ug/l	96
84) 1,2,4-Trimethylbenzene	13.136	105	311872	51.330	ug/l	97
85) sec-Butylbenzene	13.264	105	381022	48.916	ug/l	96
86) p-Isopropyltoluene	13.380	119	344744	51.224	ug/l	97
87) 1,3-Dichlorobenzene	13.380	146	176113	51.595	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	172108	51.515	ug/l	99
89) n-Butylbenzene	13.709	91	283640	48.083	ug/l	93
90) Hexachloroethane	13.977	117	65546	49.916	ug/l	96
91) 1,2-Dichlorobenzene	13.751	146	153433	53.040	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	8998	55.502	ug/l	74
93) 1,2,4-Trichlorobenzene	15.019	180	90009	50.742	ug/l	99
94) Hexachlorobutadiene	15.123	225	55376	55.273	ug/l	99
95) Naphthalene	15.251	128	156178	49.651	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	74382	51.353	ug/l	100

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

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