

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120123\
 Data File : VY016552.D
 Acq On : 01 Dec 2023 09:26
 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 : John Carlone 12/04/2023
 Supervised By : Semsettin Yesilyurt 12/04/2023

Quant Time: Dec 01 23:34:11 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	7.813	168	161510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.715	114	246495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.507	117	213006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	97293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	66597	52.192	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.380%			
35) Dibromofluoromethane	7.746	113	75549	52.222	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.440%			
50) Toluene-d8	10.203	98	286212	51.008	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.020%			
62) 4-Bromofluorobenzene	12.495	95	92329	52.453	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.900%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	66201	47.054	ug/l	98
3) Chloromethane	2.131	50	67653	48.204	ug/l	99
4) Vinyl Chloride	2.271	62	81120	51.210	ug/l	97
5) Bromomethane	2.674	94	52547	51.244	ug/l	97
6) Chloroethane	2.820	64	50898	49.772	ug/l	98
7) Trichlorofluoromethane	3.149	101	136982	49.951	ug/l	98
8) Diethyl Ether	3.552	74	38161	52.392	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.930	101	78519	50.439	ug/l	98
10) Methyl Iodide	4.125	142	90181	51.205	ug/l	98
11) Tert butyl alcohol	4.990	59	20565	254.283	ug/l #	77
12) 1,1-Dichloroethene	3.905	96	72695	49.967	ug/l	82
13) Acrolein	3.759	56	36298	236.856	ug/l	99
14) Allyl chloride	4.515	41	82851	49.536	ug/l #	86
15) Acrylonitrile	5.198	53	69480	269.570	ug/l	96
16) Acetone	3.972	43	69310	283.456	ug/l #	83
17) Carbon Disulfide	4.228	76	202474	49.328	ug/l	99
18) Methyl Acetate	4.515	43	52600	55.690	ug/l #	81
19) Methyl tert-butyl Ether	5.252	73	171973	54.242	ug/l	97
20) Methylene Chloride	4.753	84	77874	52.315	ug/l #	79
21) trans-1,2-Dichloroethene	5.265	96	81639	50.382	ug/l	85
22) Diisopropyl ether	6.155	45	183128	52.218	ug/l #	81
23) Vinyl Acetate	6.094	43	426570	263.758	ug/l #	86
24) 1,1-Dichloroethane	6.057	63	124340	50.238	ug/l	93
25) 2-Butanone	7.020	43	91549	265.924	ug/l #	82
26) 2,2-Dichloropropane	7.014	77	123069	50.311	ug/l	96
27) cis-1,2-Dichloroethene	7.020	96	91416	52.512	ug/l	85
28) Bromochloromethane	7.362	49	47606	53.222	ug/l #	63
29) Tetrahydrofuran	7.380	42	51575	278.864	ug/l #	76
30) Chloroform	7.539	83	143146	51.891	ug/l	97
31) Cyclohexane	7.813	56	107953	48.191	ug/l #	83
32) 1,1,1-Trichloroethane	7.734	97	137987	51.618	ug/l	95
36) 1,1-Dichloropropene	7.947	75	108287	50.688	ug/l	97
37) Ethyl Acetate	7.106	43	35413	52.888	ug/l #	86
38) Carbon Tetrachloride	7.929	117	129955	51.828	ug/l	99
39) Methylcyclohexane	9.209	83	134532	50.487	ug/l	87
40) Benzene	8.185	78	307894	50.831	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.337	41	19502	55.291	ug/l #	88
42) 1,2-Dichloroethane	8.264	62	79621	53.044	ug/l	91
43) Isopropyl Acetate	8.295	43	71723	54.473	ug/l #	82
44) Trichloroethene	8.965	130	95617	51.249	ug/l	94
45) 1,2-Dichloropropane	9.240	63	69119	50.570	ug/l	96
46) Dibromomethane	9.331	93	42063	54.730	ug/l	97
47) Bromodichloromethane	9.520	83	107339	52.898	ug/l	98
48) Methyl methacrylate	9.313	41	40112	54.264	ug/l #	76
49) 1,4-Dioxane	9.319	88	8456	1187.023	ug/l #	69
51) 4-Methyl-2-Pentanone	10.087	43	185058	269.418	ug/l #	83
52) Toluene	10.264	92	202032	51.922	ug/l	94
53) t-1,3-Dichloropropene	10.483	75	101568	54.016	ug/l	99
54) cis-1,3-Dichloropropene	9.947	75	121940	53.517	ug/l #	84
55) 1,1,2-Trichloroethane	10.660	97	59215	53.394	ug/l	96
56) Ethyl methacrylate	10.526	69	52722	56.176	ug/l #	76
57) 1,3-Dichloropropane	10.806	76	96379	53.953	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.800	63	157975	272.204	ug/l #	85
59) 2-Hexanone	10.849	43	143400	264.300	ug/l	80
60) Dibromochloromethane	11.001	129	79406	54.779	ug/l	100
61) 1,2-Dibromoethane	11.105	107	57011	54.437	ug/l	100
64) Tetrachloroethene	10.739	164	98349	51.881	ug/l	97
65) Chlorobenzene	11.532	112	218821	51.297	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.605	131	84965	51.958	ug/l	100
67) Ethyl Benzene	11.611	91	383308	51.189	ug/l	97
68) m/p-Xylenes	11.721	106	297277	102.582	ug/l	93
69) o-Xylene	12.044	106	141080	53.028	ug/l	94
70) Styrene	12.062	104	200626	52.411	ug/l	97
71) Bromoform	12.221	173	46742	55.338	ug/l #	98
73) Isopropylbenzene	12.343	105	385504	52.249	ug/l	98
74) N-amyl acetate	12.160	43	56953	54.659	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.599	83	58494	53.408	ug/l	98
76) 1,2,3-Trichloropropane	12.648	75	39329m	48.144	ug/l	
77) Bromobenzene	12.623	156	89654	52.185	ug/l	87
78) n-propylbenzene	12.684	91	433783	51.390	ug/l	96
79) 2-Chlorotoluene	12.769	91	242231	51.594	ug/l	96
80) 1,3,5-Trimethylbenzene	12.824	105	311128	52.457	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.391	75	20124	53.727	ug/l	86
82) 4-Chlorotoluene	12.867	91	245544	50.938	ug/l	96
83) tert-Butylbenzene	13.086	119	274986	51.375	ug/l	98
84) 1,2,4-Trimethylbenzene	13.135	105	303246	52.515	ug/l	97
85) sec-Butylbenzene	13.263	105	383703	51.832	ug/l	98
86) p-Isopropyltoluene	13.385	119	337545	52.773	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	168684	51.999	ug/l	99
88) 1,4-Dichlorobenzene	13.458	146	165339	52.073	ug/l	99
89) n-Butylbenzene	13.708	91	294489	52.528	ug/l	96
90) Hexachloroethane	13.970	117	64936	52.033	ug/l	98
91) 1,2-Dichlorobenzene	13.751	146	143684	52.263	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.367	75	8780	56.984	ug/l	83
93) 1,2,4-Trichlorobenzene	15.019	180	81137	48.304	ug/l	99
94) Hexachlorobutadiene	15.123	225	49698	52.195	ug/l	98
95) Naphthalene	15.251	128	139017	46.805	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	64199	47.013	ug/l	98

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

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