

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112823\
 Data File : VY016511.D
 Acq On : 28 Nov 2023 10:43
 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 11/29/2023
 Supervised By : Mahesh Dadoda 11/29/2023

Quant Time: Nov 29 03:03:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	147557	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	225788	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	198367	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	93980	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	62664	46.466	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.940%
35) Dibromofluoromethane	7.746	113	72595	56.599	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.200%
50) Toluene-d8	10.203	98	262060	50.384	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.760%
62) 4-Bromofluorobenzene	12.502	95	89579	53.027	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.060%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	70609	48.870	ug/l	98
3) Chloromethane	2.131	50	73652	43.526	ug/l	97
4) Vinyl Chloride	2.272	62	83778	46.043	ug/l	100
5) Bromomethane	2.674	94	56459	47.215	ug/l	100
6) Chloroethane	2.820	64	55654	47.935	ug/l	99
7) Trichlorofluoromethane	3.150	101	141063	53.287	ug/l	99
8) Diethyl Ether	3.552	74	41710	52.718	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.924	101	81881	51.355	ug/l	96
10) Methyl Iodide	4.125	142	98178	57.014	ug/l	97
11) Tert butyl alcohol	4.997	59	23892	226.235	ug/l #	81
12) 1,1-Dichloroethene	3.899	96	77073	51.688	ug/l	81
13) Acrolein	3.753	56	28718	225.450	ug/l	98
14) Allyl chloride	4.509	41	92451	43.692	ug/l #	88
15) Acrylonitrile	5.198	53	78430	249.792	ug/l	97
16) Acetone	3.973	43	57828	259.228	ug/l #	84
17) Carbon Disulfide	4.229	76	221781	49.295	ug/l	99
18) Methyl Acetate	4.503	43	58549	49.393	ug/l #	82
19) Methyl tert-butyl Ether	5.253	73	185247	51.329	ug/l	94
20) Methylene Chloride	4.753	84	82710	52.670	ug/l #	81
21) trans-1,2-Dichloroethene	5.259	96	88351	51.461	ug/l	90
22) Diisopropyl ether	6.155	45	201313	44.146	ug/l #	85
23) Vinyl Acetate	6.094	43	482602	218.408	ug/l #	87
24) 1,1-Dichloroethane	6.051	63	133968	47.620	ug/l	95
25) 2-Butanone	7.015	43	89958	230.230	ug/l #	83
26) 2,2-Dichloropropane	7.015	77	129765	50.680	ug/l	95
27) cis-1,2-Dichloroethene	7.021	96	95394	51.558	ug/l	87
28) Bromochloromethane	7.362	49	47429	45.552	ug/l #	68
29) Tetrahydrofuran	7.374	42	58377	226.039	ug/l #	77
30) Chloroform	7.533	83	152001	51.907	ug/l	96
31) Cyclohexane	7.813	56	113994	42.933	ug/l #	85
32) 1,1,1-Trichloroethane	7.734	97	141703	52.790	ug/l	95
36) 1,1-Dichloropropene	7.947	75	113568	50.993	ug/l	96
37) Ethyl Acetate	7.100	43	41020	45.584	ug/l #	89
38) Carbon Tetrachloride	7.929	117	133335	57.684	ug/l	97
39) Methylcyclohexane	9.209	83	143559	51.730	ug/l #	86
40) Benzene	8.185	78	330880	52.879	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	22111	48.731	ug/l	89
42) 1,2-Dichloroethane	8.264	62	85370	52.656	ug/l	91
43) Isopropyl Acetate	8.301	43	80102	46.050	ug/l #	84
44) Trichloroethene	8.966	130	101853	56.638	ug/l	91
45) 1,2-Dichloropropane	9.240	63	76688	51.032	ug/l	99
46) Dibromomethane	9.331	93	45250	55.567	ug/l	98
47) Bromodichloromethane	9.520	83	114366	54.627	ug/l	98
48) Methyl methacrylate	9.319	41	45076	46.889	ug/l #	78
49) 1,4-Dioxane	9.319	88	8960	1036.392	ug/l #	61
51) 4-Methyl-2-Pentanone	10.093	43	210110	238.870	ug/l #	85
52) Toluene	10.264	92	213982	54.099	ug/l	95
53) t-1,3-Dichloropropene	10.484	75	110729	54.558	ug/l	99
54) cis-1,3-Dichloropropene	9.947	75	130594	53.874	ug/l #	84
55) 1,1,2-Trichloroethane	10.666	97	62456	55.645	ug/l	98
56) Ethyl methacrylate	10.532	69	57533	54.301	ug/l #	74
57) 1,3-Dichloropropane	10.813	76	105367	55.073	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.801	63	196729	273.834	ug/l #	87
59) 2-Hexanone	10.849	43	150025	229.303	ug/l	81
60) Dibromochloromethane	11.008	129	84164	59.957	ug/l	99
61) 1,2-Dibromoethane	11.112	107	61198	57.231	ug/l	99
64) Tetrachloroethene	10.740	164	102776	57.702	ug/l	97
65) Chlorobenzene	11.538	112	236270	55.748	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.611	131	89486	57.246	ug/l	99
67) Ethyl Benzene	11.611	91	410560	53.903	ug/l	97
68) m/p-Xylenes	11.721	106	318079	110.103	ug/l	93
69) o-Xylene	12.050	106	149592	55.771	ug/l	94
70) Styrene	12.063	104	217253	56.566	ug/l	97
71) Bromoform	12.227	173	49954	61.587	ug/l #	99
73) Isopropylbenzene	12.349	105	402031	52.827	ug/l	99
74) N-amyl acetate	12.160	43	65143	42.615	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.599	83	63564	52.051	ug/l	97
76) 1,2,3-Trichloropropane	12.654	75	41105m	45.594	ug/l	
77) Bromobenzene	12.630	156	97395	56.624	ug/l	88
78) n-propylbenzene	12.691	91	460907	51.247	ug/l	97
79) 2-Chlorotoluene	12.776	91	258871	52.229	ug/l	97
80) 1,3,5-Trimethylbenzene	12.831	105	328423	53.526	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.398	75	21781	52.441	ug/l	89
82) 4-Chlorotoluene	12.873	91	261734	51.104	ug/l	96
83) tert-Butylbenzene	13.093	119	285362	52.801	ug/l	98
84) 1,2,4-Trimethylbenzene	13.142	105	320654	53.074	ug/l	97
85) sec-Butylbenzene	13.270	105	406354	52.629	ug/l	99
86) p-Isopropyltoluene	13.386	119	358576	53.934	ug/l	98
87) 1,3-Dichlorobenzene	13.386	146	180875	54.660	ug/l	99
88) 1,4-Dichlorobenzene	13.465	146	174482	53.953	ug/l	99
89) n-Butylbenzene	13.715	91	311378	50.714	ug/l	95
90) Hexachloroethane	13.983	117	68363	53.305	ug/l	97
91) 1,2-Dichlorobenzene	13.757	146	154804	54.593	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.373	75	9894	50.924	ug/l	84
93) 1,2,4-Trichlorobenzene	15.025	180	89765	54.234	ug/l	99
94) Hexachlorobutadiene	15.129	225	52481	55.346	ug/l	99
95) Naphthalene	15.257	128	158648	53.593	ug/l	99
96) 1,2,3-Trichlorobenzene	15.446	180	72753	53.143	ug/l	99

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

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