

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016014.D
 Acq On : 18 Oct 2023 11:32
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Oct 19 02:53:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 02:50:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	218043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	348198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	311648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	156286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	13210	5.330	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.660%#		
35) Dibromofluoromethane	7.722	113	12620	5.506	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.020%#		
50) Toluene-d8	10.179	98	45054	5.413	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.820%#		
62) 4-Bromofluorobenzene	12.483	95	16086	5.416	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.840%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	9481	5.261	ug/l	99
3) Chloromethane	2.113	50	11704	5.144	ug/l	97
4) Vinyl Chloride	2.253	62	13310	5.212	ug/l	92
5) Bromomethane	2.650	94	10042	5.391	ug/l	93
6) Chloroethane	2.796	64	8697	5.296	ug/l	96
7) Trichlorofluoromethane	3.131	101	20392	5.247	ug/l	95
8) Diethyl Ether	3.534	74	6757	4.921	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.906	101	11641	5.207	ug/l	97
10) Methyl Iodide	4.088	142	14184	4.859	ug/l	98
11) Tert butyl alcohol	4.960	59	9446	24.692	ug/l	98
12) 1,1-Dichloroethene	3.875	96	10801	5.164	ug/l	98
13) Acrolein	3.729	56	11758	24.569	ug/l	100
14) Allyl chloride	4.485	41	15964	4.881	ug/l	96
15) Acrylonitrile	5.161	53	18070	22.060	ug/l	96
16) Acetone	3.948	43	20610	22.435	ug/l #	87
17) Carbon Disulfide	4.198	76	31201	5.091	ug/l	98
18) Methyl Acetate	4.485	43	13835	4.376	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	30992	4.593	ug/l	95
20) Methylene Chloride	4.716	84	16751	6.138	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	12342	5.067	ug/l	95
22) Diisopropyl ether	6.125	45	33401	4.690	ug/l #	93
23) Vinyl Acetate	6.064	43	98265	22.242	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	21712	5.139	ug/l	99
25) 2-Butanone	6.990	43	27639	21.965	ug/l	96
26) 2,2-Dichloropropane	6.984	77	19349	5.090	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	14242	5.077	ug/l	91
28) Bromochloromethane	7.338	49	7923	4.385	ug/l	87
29) Tetrahydrofuran	7.350	42	15683	20.591	ug/l	93
30) Chloroform	7.502	83	22952	5.066	ug/l	93
31) Cyclohexane	7.789	56	22069	5.690	ug/l #	68
32) 1,1,1-Trichloroethane	7.704	97	20598	5.082	ug/l	98
36) 1,1-Dichloropropene	7.917	75	18114	5.253	ug/l	99
37) Ethyl Acetate	7.076	43	10576	4.255	ug/l #	94
38) Carbon Tetrachloride	7.905	117	18914	5.161	ug/l	99
39) Methylcyclohexane	9.185	83	21556	5.002	ug/l	92
40) Benzene	8.161	78	49909	5.136	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	5547m	4.432	ug/l	
42) 1,2-Dichloroethane	8.240	62	15726	5.024	ug/l	98
43) Isopropyl Acetate	8.271	43	19391	4.462	ug/l	95
44) Trichloroethene	8.941	130	14146	5.191	ug/l	92
45) 1,2-Dichloropropane	9.216	63	12040	4.950	ug/l	99
46) Dibromomethane	9.301	93	7761	4.807	ug/l	97
47) Bromodichloromethane	9.496	83	17383	4.912	ug/l	96
48) Methyl methacrylate	9.295	41	8791	4.444	ug/l	89
49) 1,4-Dioxane	9.295	88	2326	90.469	ug/l #	55
51) 4-Methyl-2-Pentanone	10.069	43	54239	21.705	ug/l	93
52) Toluene	10.246	92	31217	4.952	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	17904	4.670	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	20558	4.920	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	10674	4.812	ug/l	94
56) Ethyl methacrylate	10.508	69	13881	4.282	ug/l #	91
57) 1,3-Dichloropropane	10.788	76	18037	4.793	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	32162	20.655	ug/l	92
59) 2-Hexanone	10.831	43	39889	20.980	ug/l	91
60) Dibromochloromethane	10.984	129	12850	4.790	ug/l	99
61) 1,2-Dibromoethane	11.087	107	10758	4.765	ug/l	97
64) Tetrachloroethene	10.715	164	12422	5.140	ug/l	94
65) Chlorobenzene	11.514	112	34581	5.124	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	13101	5.150	ug/l	98
67) Ethyl Benzene	11.593	91	60017	5.025	ug/l	96
68) m/p-Xylenes	11.703	106	46286	9.939	ug/l	98
69) o-Xylene	12.032	106	21824	4.926	ug/l	96
70) Styrene	12.044	104	36462	4.829	ug/l	95
71) Bromoform	12.209	173	8284	4.628	ug/l #	98
73) Isopropylbenzene	12.331	105	59618	5.100	ug/l	99
74) N-amyl acetate	12.142	43	15639	4.235	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	14165	4.838	ug/l	95
76) 1,2,3-Trichloropropane	12.630	75	10656m	4.834	ug/l	
77) Bromobenzene	12.611	156	14585	5.140	ug/l	95
78) n-propylbenzene	12.672	91	71648	5.088	ug/l	99
79) 2-Chlorotoluene	12.758	91	40434	5.116	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	48544	5.013	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	4423	4.363	ug/l	94
82) 4-Chlorotoluene	12.855	91	41076	4.980	ug/l	96
83) tert-Butylbenzene	13.075	119	43141	5.081	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	47912	4.983	ug/l	98
85) sec-Butylbenzene	13.251	105	64371	5.076	ug/l	100
86) p-Isopropyltoluene	13.367	119	53165	5.017	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	28224	5.112	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	28622	5.149	ug/l	95
89) n-Butylbenzene	13.696	91	49718	5.039	ug/l	96
90) Hexachloroethane	13.959	117	10239	5.068	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	26086	5.146	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2739	4.914	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	16208	5.019	ug/l	98
94) Hexachlorobutadiene	15.111	225	9351	5.331	ug/l	95
95) Naphthalene	15.233	128	37603	4.744	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	14615	4.955	ug/l	99

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

