

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060923\
 Data File : VY014090.D
 Acq On : 09 Jun 2023 11:30
 Operator : KP/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/12/2023
 Supervised By :Mahesh Dadoda 06/12/2023

Quant Time: Jun 09 11:51:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 11:49:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	189775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	301530	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	285744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	151040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	30682	12.213	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	24.420%#		
35) Dibromofluoromethane	7.716	113	23170	12.091	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	24.180%#		
50) Toluene-d8	10.179	98	87147	11.923	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	23.840%#		
62) 4-Bromofluorobenzene	12.483	95	28629	11.489	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	22.980%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	16396	9.819	ug/l	97
3) Chloromethane	2.113	50	18915	8.179	ug/l	91
4) Vinyl Chloride	2.253	62	20156	9.408	ug/l	93
5) Bromomethane	2.656	94	17600	9.434	ug/l	100
6) Chloroethane	2.796	64	14441	9.418	ug/l	97
7) Trichlorofluoromethane	3.131	101	36100	10.659	ug/l	97
8) Diethyl Ether	3.540	74	14250	10.732	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	19170	11.018	ug/l	97
10) Methyl Iodide	4.095	142	19500	8.132	ug/l	98
11) Tert butyl alcohol	4.942	59	33988m	65.830	ug/l	
12) 1,1-Dichloroethene	3.881	96	17144	9.398	ug/l	98
13) Acrolein	3.741	56	11108	46.981	ug/l	99
14) Allyl chloride	4.485	41	33108	9.352	ug/l	98
15) Acrylonitrile	5.174	53	38838m	52.711	ug/l	
16) Acetone	3.960	43	40667	47.315	ug/l	95
17) Carbon Disulfide	4.198	76	41409	6.713	ug/l #	95
18) Methyl Acetate	4.485	43	32461m	10.453	ug/l	
19) Methyl tert-butyl Ether	5.229	73	62478	10.586	ug/l	98
20) Methylene Chloride	4.722	84	32077	12.019	ug/l	92
21) trans-1,2-Dichloroethene	5.222	96	19557	9.465	ug/l #	92
22) Diisopropyl ether	6.119	45	72068	10.502	ug/l	98
23) Vinyl Acetate	6.064	43	170473m	39.606	ug/l	
24) 1,1-Dichloroethane	6.021	63	40661	10.615	ug/l	97
25) 2-Butanone	6.990	43	53205	49.689	ug/l	91
26) 2,2-Dichloropropane	6.978	77	39814	11.453	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	25268	10.681	ug/l	99
28) Bromochloromethane	7.338	49	20060	11.089	ug/l	94
29) Tetrahydrofuran	7.350	42	31580	47.428	ug/l	96
30) Chloroform	7.509	83	45748	11.375	ug/l	94
31) Cyclohexane	7.789	56	27534	9.102	ug/l #	88
32) 1,1,1-Trichloroethane	7.704	97	39075	11.455	ug/l	99
36) 1,1-Dichloropropene	7.917	75	27619	10.117	ug/l	99
37) Ethyl Acetate	7.076	43	23922	10.050	ug/l	98
38) Carbon Tetrachloride	7.905	117	35102	11.474	ug/l	95
39) Methylcyclohexane	9.185	83	26895	9.228	ug/l	96
40) Benzene	8.161	78	88584	10.518	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	11291	10.263	ug/l #	90
42) 1,2-Dichloroethane	8.234	62	34629	11.213	ug/l	100
43) Isopropyl Acetate	8.271	43	41637	10.389	ug/l	100
44) Trichloroethene	8.941	130	23866	10.821	ug/l	100
45) 1,2-Dichloropropane	9.216	63	24150	11.112	ug/l	95
46) Dibromomethane	9.307	93	15586	11.202	ug/l	96
47) Bromodichloromethane	9.496	83	35966	11.475	ug/l	99
48) Methyl methacrylate	9.295	41	18052	9.896	ug/l	99
49) 1,4-Dioxane	9.325	88	4094m	202.332	ug/l	
51) 4-Methyl-2-Pentanone	10.069	43	113238	50.022	ug/l	100
52) Toluene	10.246	92	56032	10.861	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	36671	10.892	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	38871	10.814	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	20939	11.415	ug/l	94
56) Ethyl methacrylate	10.508	69	26889	10.210	ug/l	97
57) 1,3-Dichloropropane	10.788	76	34197	10.911	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.783	63	37904	34.843	ug/l	98
59) 2-Hexanone	10.831	43	79976	48.790	ug/l	100
60) Dibromochloromethane	10.984	129	26788	11.555	ug/l	97
61) 1,2-Dibromoethane	11.087	107	20088	10.900	ug/l	98
64) Tetrachloroethene	10.721	164	21438	10.951	ug/l	96
65) Chlorobenzene	11.520	112	64448	10.994	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	27779	12.172	ug/l	95
67) Ethyl Benzene	11.593	91	105155	10.363	ug/l	98
68) m/p-Xylenes	11.703	106	82907	21.390	ug/l	96
69) o-Xylene	12.032	106	39850	10.730	ug/l	98
70) Styrene	12.044	104	67367	10.560	ug/l	99
71) Bromoform	12.209	173	19164	11.390	ug/l #	100
73) Isopropylbenzene	12.331	105	102477	10.279	ug/l	99
74) N-amyl acetate	12.142	43	34250	8.955	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	26710	10.251	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	22123m	10.884	ug/l	
77) Bromobenzene	12.611	156	28747	10.667	ug/l	97
78) n-propylbenzene	12.672	91	127257	10.415	ug/l	99
79) 2-Chlorotoluene	12.758	91	75220	10.399	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	87236	10.210	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	9246	9.651	ug/l	97
82) 4-Chlorotoluene	12.855	91	78619	10.335	ug/l	98
83) tert-Butylbenzene	13.075	119	74733	10.445	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	89917	10.536	ug/l	100
85) sec-Butylbenzene	13.251	105	109832	10.556	ug/l	99
86) p-Isopropyltoluene	13.373	119	93057	10.596	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	55840	10.911	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	56213	10.858	ug/l	97
89) n-Butylbenzene	13.696	91	86729	10.466	ug/l	99
90) Hexachloroethane	13.965	117	19938	10.817	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	51553	10.934	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4608	9.169	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	31086	10.725	ug/l	100
94) Hexachlorobutadiene	15.111	225	18664	12.089	ug/l	97
95) Naphthalene	15.239	128	59744	9.447	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	27464	10.403	ug/l	98

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

