

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062323\
 Data File : VY014398.D
 Acq On : 23 Jun 2023 10:42
 Operator : KP/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/26/2023
 Supervised By :Mahesh Dadoda 06/26/2023

Quant Time: Jun 23 12:54:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 12:54:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	250264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	374957	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	349190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	185977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	32084	10.326	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.660%#		
35) Dibromofluoromethane	7.716	113	22979	9.919	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.840%#		
50) Toluene-d8	10.179	98	92705	10.067	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.140%#		
62) 4-Bromofluorobenzene	12.477	95	33062	10.057	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.120%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	28631	12.325	ug/l	96
3) Chloromethane	2.113	50	25175	11.074	ug/l	96
4) Vinyl Chloride	2.253	62	28174	11.371	ug/l	98
5) Bromomethane	2.650	94	25589	11.754	ug/l	96
6) Chloroethane	2.790	64	17678	10.771	ug/l	98
7) Trichlorofluoromethane	3.125	101	53568	10.950	ug/l	99
8) Diethyl Ether	3.534	74	15062	10.098	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.900	101	24733	10.697	ug/l	95
10) Methyl Iodide	4.095	142	24472	10.423	ug/l	93
11) Tert butyl alcohol	4.948	59	27051	38.442	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	24621	10.679	ug/l	90
13) Acrolein	3.729	56	20363	52.526	ug/l	97
14) Allyl chloride	4.479	41	35703	9.696	ug/l	90
15) Acrylonitrile	5.162	53	40504	48.565	ug/l	98
16) Acetone	3.942	43	45175	46.203	ug/l	98
17) Carbon Disulfide	4.192	76	79465	11.138	ug/l	100
18) Methyl Acetate	4.479	43	32241	9.592	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	70087	9.883	ug/l	98
20) Methylene Chloride	4.710	84	38533	9.101	ug/l	91
21) trans-1,2-Dichloroethene	5.210	96	26519	10.461	ug/l	92
22) Diisopropyl ether	6.119	45	71723	9.802	ug/l	96
23) Vinyl Acetate	6.058	43	178149m	46.099	ug/l	
24) 1,1-Dichloroethane	6.015	63	44375	10.212	ug/l #	97
25) 2-Butanone	6.984	43	57266	47.024	ug/l	99
26) 2,2-Dichloropropane	6.978	77	48200	10.491	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	30103	10.549	ug/l	95
28) Bromochloromethane	7.332	49	20258	10.690	ug/l #	82
29) Tetrahydrofuran	7.350	42	33717	46.432	ug/l	91
30) Chloroform	7.503	83	50793	10.362	ug/l	95
31) Cyclohexane	7.789	56	41128	10.716	ug/l #	90
32) 1,1,1-Trichloroethane	7.698	97	49250	10.556	ug/l	99
36) 1,1-Dichloropropene	7.917	75	37017	10.369	ug/l	97
37) Ethyl Acetate	7.076	43	23177	9.421	ug/l #	95
38) Carbon Tetrachloride	7.899	117	47654	10.608	ug/l	96
39) Methylcyclohexane	9.185	83	41405	10.081	ug/l	94
40) Benzene	8.161	78	105102	10.395	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11567m	9.425	ug/l	
42) 1,2-Dichloroethane	8.240	62	40479	10.560	ug/l	98
43) Isopropyl Acetate	8.271	43	41034	9.446	ug/l	96
44) Trichloroethene	8.935	130	30947	10.661	ug/l	97
45) 1,2-Dichloropropane	9.216	63	23763	9.968	ug/l	97
46) Dibromomethane	9.301	93	16664	10.229	ug/l	96
47) Bromodichloromethane	9.496	83	39149	10.310	ug/l	98
48) Methyl methacrylate	9.295	41	19190	9.511	ug/l	94
49) 1,4-Dioxane	9.295	88	4787	187.923	ug/l #	48
51) 4-Methyl-2-Pentanone	10.069	43	113752	46.395	ug/l	97
52) Toluene	10.246	92	66037	10.151	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	40838	9.920	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	43406	10.222	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	22162	10.159	ug/l	97
56) Ethyl methacrylate	10.508	69	29127	9.349	ug/l	93
57) 1,3-Dichloropropane	10.789	76	36301	9.893	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	72399	49.610	ug/l	92
59) 2-Hexanone	10.831	43	84304	45.631	ug/l	99
60) Dibromochloromethane	10.984	129	29572	10.219	ug/l	98
61) 1,2-Dibromoethane	11.087	107	21793	10.033	ug/l	100
64) Tetrachloroethene	10.721	164	32067	10.792	ug/l	92
65) Chlorobenzene	11.514	112	73871	10.297	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	29772	10.303	ug/l	98
67) Ethyl Benzene	11.593	91	127010	9.942	ug/l	99
68) m/p-Xylenes	11.703	106	100352	20.113	ug/l	99
69) o-Xylene	12.026	106	47695	10.046	ug/l	100
70) Styrene	12.044	104	79894	9.818	ug/l	99
71) Bromoform	12.209	173	21035	9.849	ug/l #	99
73) Isopropylbenzene	12.331	105	126647	10.113	ug/l	99
74) N-amyl acetate	12.142	43	35780	9.022	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	25590	9.562	ug/l	96
76) 1,2,3-Trichloropropane	12.636	75	21498m	9.193	ug/l	
77) Bromobenzene	12.605	156	32973	10.127	ug/l	91
78) n-propylbenzene	12.672	91	151926	10.056	ug/l	99
79) 2-Chlorotoluene	12.758	91	86955	10.078	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	110155	10.168	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	9485	9.256	ug/l	96
82) 4-Chlorotoluene	12.855	91	93158	10.135	ug/l	98
83) tert-Butylbenzene	13.075	119	93857	10.106	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	108660	10.123	ug/l	98
85) sec-Butylbenzene	13.252	105	136244	10.145	ug/l	99
86) p-Isopropyltoluene	13.367	119	117584	10.112	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	63372	10.091	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	65529	10.379	ug/l	98
89) n-Butylbenzene	13.697	91	104430	9.829	ug/l	98
90) Hexachloroethane	13.959	117	23005	10.400	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	57760	10.074	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5603	9.473	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	35649	9.570	ug/l	98
94) Hexachlorobutadiene	15.111	225	22897	10.233	ug/l	95
95) Naphthalene	15.233	128	68723	8.581	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	31872	9.397	ug/l	98

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

