

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060923\
 Data File : VY014093.D
 Acq On : 09 Jun 2023 12:37
 Operator : KP/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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

Quant Time: Jun 09 17:41:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 17:38:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	204381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	330401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	311523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	158994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	412660	144.995	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 289.980%#			
35) Dibromofluoromethane	7.716	113	344866	147.182	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 294.360%#			
50) Toluene-d8	10.179	98	1188051	135.622	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 271.240%#			
62) 4-Bromofluorobenzene	12.483	95	441715	141.948	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 283.900%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	317655	139.458	ug/l	97
3) Chloromethane	2.113	50	394591	136.623	ug/l	100
4) Vinyl Chloride	2.253	62	382807	136.327	ug/l	97
5) Bromomethane	2.650	94	338869	146.264	ug/l	100
6) Chloroethane	2.790	64	290469	152.232	ug/l	95
7) Trichlorofluoromethane	3.125	101	638471	139.960	ug/l	100
8) Diethyl Ether	3.528	74	238273	156.425	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.899	101	339077	147.278	ug/l	99
10) Methyl Iodide	4.088	142	496802	163.418	ug/l	99
11) Tert butyl alcohol	4.978	59	238684	752.806	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	337344	144.561	ug/l	96
13) Acrolein	3.729	56	119680	754.685	ug/l	97
14) Allyl chloride	4.479	41	650440	153.770	ug/l	99
15) Acrylonitrile	5.167	53	638116	812.176	ug/l	99
16) Acetone	3.954	43	715958	834.563	ug/l	98
17) Carbon Disulfide	4.198	76	1059963	140.172	ug/l	99
18) Methyl Acetate	4.479	43	538386	161.683	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	1127267	163.787	ug/l	100
20) Methylene Chloride	4.716	84	399843	153.406	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	374715	143.969	ug/l	97
22) Diisopropyl ether	6.119	45	1299261	160.424	ug/l	99
23) Vinyl Acetate	6.064	43	4068085	851.326	ug/l	100
24) 1,1-Dichloroethane	6.021	63	700686	150.053	ug/l	99
25) 2-Butanone	6.990	43	903908	855.958	ug/l	100
26) 2,2-Dichloropropane	6.984	77	641805	146.336	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	448699	154.107	ug/l	99
28) Bromochloromethane	7.338	49	289659	152.536	ug/l	98
29) Tetrahydrofuran	7.350	42	567598	847.626	ug/l	99
30) Chloroform	7.509	83	746398	150.667	ug/l	94
31) Cyclohexane	7.789	56	547920	143.714	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	649331	145.328	ug/l	99
36) 1,1-Dichloropropene	7.917	75	517620	141.698	ug/l	100
37) Ethyl Acetate	7.076	43	406444	161.256	ug/l	100
38) Carbon Tetrachloride	7.905	117	592737	140.610	ug/l	99
39) Methylcyclohexane	9.185	83	615608	151.889	ug/l	98
40) Benzene	8.161	78	1561217	143.726	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	215168	163.077	ug/l	91
42) 1,2-Dichloroethane	8.240	62	570938	148.634	ug/l	100
43) Isopropyl Acetate	8.277	43	726406	164.433	ug/l	100
44) Trichloroethene	8.941	130	413659	142.533	ug/l	99
45) 1,2-Dichloropropane	9.216	63	412346	149.451	ug/l	99
46) Dibromomethane	9.307	93	258897	152.439	ug/l	99
47) Bromodichloromethane	9.496	83	600236	150.942	ug/l	99
48) Methyl methacrylate	9.295	41	352599	171.127	ug/l	100
49) 1,4-Dioxane	9.313	88	73745	3309.063	ug/l #	45
51) 4-Methyl-2-Pentanone	10.069	43	1996807	831.988	ug/l	100
52) Toluene	10.246	92	979285	145.431	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	652806	155.941	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	696931	152.587	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	342259	151.936	ug/l	96
56) Ethyl methacrylate	10.508	69	511252	164.542	ug/l	99
57) 1,3-Dichloropropane	10.788	76	582687	151.241	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	1147161	760.282	ug/l	99
59) 2-Hexanone	10.831	43	1448157	835.418	ug/l	100
60) Dibromochloromethane	10.983	129	441149	153.008	ug/l	100
61) 1,2-Dibromoethane	11.087	107	341364	153.547	ug/l	99
64) Tetrachloroethene	10.721	164	359809	135.505	ug/l	98
65) Chlorobenzene	11.514	112	1077000	143.880	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	423771	143.935	ug/l	100
67) Ethyl Benzene	11.593	91	1927877	147.140	ug/l	99
68) m/p-Xylenes	11.703	106	1462244	290.144	ug/l	99
69) o-Xylene	12.032	106	704993	147.960	ug/l	99
70) Styrene	12.044	104	1218260	149.808	ug/l	100
71) Bromoform	12.209	173	306314	151.917	ug/l	99
73) Isopropylbenzene	12.331	105	1778559	146.636	ug/l	100
74) N-amyl acetate	12.142	43	644005	167.552	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	410172	151.343	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	324474m	160.196	ug/l	
77) Bromobenzene	12.605	156	463849	145.504	ug/l	99
78) n-propylbenzene	12.672	91	2155610	145.505	ug/l	100
79) 2-Chlorotoluene	12.758	91	1245479	146.110	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	1509127	145.312	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	155977	161.634	ug/l	98
82) 4-Chlorotoluene	12.855	91	1311458	145.182	ug/l	100
83) tert-Butylbenzene	13.075	119	1275088	144.477	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	1521872	148.037	ug/l	100
85) sec-Butylbenzene	13.251	105	1860196	144.976	ug/l	99
86) p-Isopropyltoluene	13.367	119	1579200	143.807	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	865536	142.203	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	869564	141.795	ug/l	99
89) n-Butylbenzene	13.696	91	1497023	146.980	ug/l	99
90) Hexachloroethane	13.959	117	312909	142.998	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	800793	146.488	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	82025	158.930	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	539974	155.925	ug/l	99
94) Hexachlorobutadiene	15.111	225	289060	144.581	ug/l	98
95) Naphthalene	15.233	128	1224529	174.208	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	490240	156.664	ug/l	99

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

