

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091922\
 Data File : VY010552.D
 Acq On : 19 Sep 2022 14:09
 Operator : KP/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/20/2022
 Supervised By :Mahesh Dadoda 09/20/2022

Quant Time: Sep 20 00:40:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 00:36:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	294552	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	462882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	419668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	213046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	454761	161.416	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 322.840%#			
35) Dibromofluoromethane	7.710	113	428001	144.883	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 289.760%#			
50) Toluene-d8	10.173	98	1717866	170.733	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 341.460%#			
62) 4-Bromofluorobenzene	12.477	95	596335	135.934	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 271.860%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	186176	113.343	ug/l	99
3) Chloromethane	2.107	50	284091	123.460	ug/l	96
4) Vinyl Chloride	2.241	62	376719	130.412	ug/l	98
5) Bromomethane	2.619	94	247565	120.199	ug/l	97
6) Chloroethane	2.778	64	274395	132.242	ug/l	99
7) Trichlorofluoromethane	3.107	101	531153	137.237	ug/l	94
8) Diethyl Ether	3.521	74	190759	143.749	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.887	101	320905	137.767	ug/l	96
10) Methyl Iodide	4.076	142	384209	142.781	ug/l	91
11) Tert butyl alcohol	4.954	59	185421	648.090	ug/l #	95
12) 1,1-Dichloroethene	3.857	96	280492	134.856	ug/l	86
13) Acrolein	3.723	56	92809	708.153	ug/l	98
14) Allyl chloride	4.466	41	452820	144.405	ug/l #	94
15) Acrylonitrile	5.155	53	518633	752.996	ug/l	98
16) Acetone	3.942	43	403596	702.487	ug/l #	88
17) Carbon Disulfide	4.180	76	572882	123.447	ug/l	99
18) Methyl Acetate	4.466	43	241795	129.732	ug/l #	87
19) Methyl tert-butyl Ether	5.210	73	988042	152.366	ug/l	95
20) Methylene Chloride	4.704	84	387808	83.912	ug/l	84
21) trans-1,2-Dichloroethene	5.210	96	321212	137.235	ug/l	86
22) Diisopropyl ether	6.112	45	1149564	155.302	ug/l #	91
23) Vinyl Acetate	6.051	43	3628187	829.726	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	639760	144.006	ug/l	98
25) 2-Butanone	6.978	43	673950	749.963	ug/l #	84
26) 2,2-Dichloropropane	6.972	77	599791	140.398	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	422500	144.890	ug/l	88
28) Bromochloromethane	7.326	49	337844	190.756	ug/l #	81
29) Tetrahydrofuran	7.338	42	423034	766.441	ug/l #	83
30) Chloroform	7.496	83	696022	144.812	ug/l	100
31) Cyclohexane	7.777	56	457410	125.867	ug/l	92
32) 1,1,1-Trichloroethane	7.691	97	616178	144.046	ug/l	96
36) 1,1-Dichloropropene	7.911	75	461918	140.336	ug/l	97
37) Ethyl Acetate	7.070	43	292760	153.988	ug/l #	93
38) Carbon Tetrachloride	7.893	117	545748	144.200	ug/l	99
39) Methylcyclohexane	9.179	83	536445	139.246	ug/l	90
40) Benzene	8.155	78	1406834	143.371	ug/l	97

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41) Methacrylonitrile	7.301	41	163417m	147.826	ug/l	
42) 1,2-Dichloroethane	8.228	62	445267	147.362	ug/l	93
43) Isopropyl Acetate	8.265	43	558515	160.266	ug/l #	91
44) Trichloroethene	8.935	130	401259	142.850	ug/l	100
45) 1,2-Dichloropropane	9.209	63	373863	147.281	ug/l	96
46) Dibromomethane	9.301	93	220637	148.010	ug/l	98
47) Bromodichloromethane	9.490	83	555614	150.950	ug/l	99
48) Methyl methacrylate	9.289	41	250656	162.936	ug/l #	84
49) 1,4-Dioxane	9.295	88	65625	2993.762	ug/l #	81
51) 4-Methyl-2-Pentanone	10.069	43	1578035	802.041	ug/l	89
52) Toluene	10.240	92	937876	146.078	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	577588	155.191	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	634338	152.873	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	329748	150.387	ug/l	98
56) Ethyl methacrylate	10.508	69	468704	165.005	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	545405	150.165	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	1290606	900.741	ug/l	95
59) 2-Hexanone	10.831	43	1099572	824.521	ug/l	88
60) Dibromochloromethane	10.984	129	415738	154.935	ug/l	100
61) 1,2-Dibromoethane	11.087	107	303225	147.716	ug/l	99
64) Tetrachloroethene	10.715	164	384694	137.223	ug/l	98
65) Chlorobenzene	11.514	112	1049535	144.627	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	424916	150.295	ug/l	98
67) Ethyl Benzene	11.587	91	1890509	148.355	ug/l	98
68) m/p-Xylenes	11.697	106	1479334	299.667	ug/l	94
69) o-Xylene	12.026	106	731274	151.938	ug/l	93
70) Styrene	12.038	104	1286594	157.359	ug/l	96
71) Bromoform	12.203	173	273686	155.897	ug/l #	99
73) Isopropylbenzene	12.325	105	1955755	148.538	ug/l	100
74) N-amyl acetate	12.142	43	553767	173.438	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	395294	147.332	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	280291m	122.982	ug/l	
77) Bromobenzene	12.605	156	453850	144.871	ug/l	98
78) n-propylbenzene	12.666	91	2303060	146.848	ug/l	98
79) 2-Chlorotoluene	12.752	91	1321499	147.881	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	1631885	146.685	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	146706	160.418	ug/l	87
82) 4-Chlorotoluene	12.849	91	1374045	148.905	ug/l	99
83) tert-Butylbenzene	13.075	119	1487732	149.526	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	1628948	147.385	ug/l	98
85) sec-Butylbenzene	13.251	105	2149638	147.521	ug/l	99
86) p-Isopropyltoluene	13.367	119	1841399	151.217	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	936053	147.210	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	914525	145.316	ug/l	98
89) n-Butylbenzene	13.690	91	1660056	148.504	ug/l	98
90) Hexachloroethane	13.959	117	338961	144.979	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	830714	146.658	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	65726	146.802	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	517758	149.843	ug/l	99
94) Hexachlorobutadiene	15.111	225	289388	137.794	ug/l	99
95) Naphthalene	15.233	128	1087143	156.147	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	447713	148.809	ug/l	99

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

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