

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010274.D
 Acq On : 02 Sep 2022 12:18
 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 09/06/2022
 Supervised By :Mahesh Dadoda 09/06/2022

Quant Time: Sep 02 16:25:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:23:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	407469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	662569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	587536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	270740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	616699	147.613	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 295.220%#			
35) Dibromofluoromethane	7.716	113	589547	133.658	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 267.320%#			
50) Toluene-d8	10.179	98	2266570	153.483	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 306.960%#			
62) 4-Bromofluorobenzene	12.477	95	808085	117.990	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 235.980%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	424006	130.352	ug/l	98
3) Chloromethane	2.107	50	575700	129.625	ug/l	98
4) Vinyl Chloride	2.247	62	658837	136.154	ug/l	99
5) Bromomethane	2.625	94	370845	120.730	ug/l	100
6) Chloroethane	2.778	64	397423	134.265	ug/l	99
7) Trichlorofluoromethane	3.113	101	964887	142.256	ug/l	93
8) Diethyl Ether	3.522	74	349486	144.197	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.887	101	595892	142.250	ug/l	94
10) Methyl Iodide	4.082	142	783308	155.428	ug/l	90
11) Tert butyl alcohol	4.954	59	338549	677.301	ug/l #	94
12) 1,1-Dichloroethene	3.863	96	576153	142.040	ug/l	87
13) Acrolein	3.723	56	401874	759.479	ug/l	98
14) Allyl chloride	4.473	41	1013604	141.975	ug/l	90
15) Acrylonitrile	5.155	53	931476	737.579	ug/l	97
16) Acetone	3.942	43	723532	692.719	ug/l	91
17) Carbon Disulfide	4.186	76	1677012	135.732	ug/l	100
18) Methyl Acetate	4.466	43	464580	143.326	ug/l	91
19) Methyl tert-butyl Ether	5.210	73	1736767	146.461	ug/l	98
20) Methylene Chloride	4.710	84	645293	128.023	ug/l	86
21) trans-1,2-Dichloroethene	5.210	96	652748	142.008	ug/l	91
22) Diisopropyl ether	6.113	45	2067463	142.487	ug/l	92
23) Vinyl Acetate	6.052	43	6594436	724.856	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	1197125	143.218	ug/l	99
25) 2-Butanone	6.978	43	1238518	722.529	ug/l #	88
26) 2,2-Dichloropropane	6.972	77	1072338	140.853	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	755383	143.798	ug/l	91
28) Bromochloromethane	7.326	49	443060	158.407	ug/l	90
29) Tetrahydrofuran	7.344	42	809301	736.591	ug/l	89
30) Chloroform	7.503	83	1178777	143.205	ug/l	99
31) Cyclohexane	7.777	56	1078326	132.303	ug/l	97
32) 1,1,1-Trichloroethane	7.698	97	1076201	143.488	ug/l	96
36) 1,1-Dichloropropene	7.911	75	928456	143.465	ug/l	98
37) Ethyl Acetate	7.070	43	544282	146.689	ug/l #	94
38) Carbon Tetrachloride	7.899	117	962922	144.373	ug/l	99
39) Methylcyclohexane	9.179	83	1187432	142.122	ug/l	93
40) Benzene	8.155	78	2635768	142.208	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	280336m	133.640	ug/l	
42) 1,2-Dichloroethane	8.234	62	770490	143.374	ug/l	92
43) Isopropyl Acetate	8.271	43	1049092	148.327	ug/l #	93
44) Trichloroethene	8.935	130	737651	144.972	ug/l	96
45) 1,2-Dichloropropane	9.216	63	684049	144.861	ug/l	96
46) Dibromomethane	9.301	93	381432	147.066	ug/l	97
47) Bromodichloromethane	9.496	83	928652	145.596	ug/l	99
48) Methyl methacrylate	9.289	41	479511	145.340	ug/l #	86
49) 1,4-Dioxane	9.295	88	106512	2984.560	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	2703878	740.978	ug/l	90
52) Toluene	10.240	92	1691912	142.701	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	1013038	147.257	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	1130453	145.730	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	537030	145.862	ug/l	99
56) Ethyl methacrylate	10.508	69	814148	149.675	ug/l #	81
57) 1,3-Dichloropropane	10.789	76	930348	144.974	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	987353	542.228	ug/l	97
59) 2-Hexanone	10.831	43	1874982	740.987	ug/l	87
60) Dibromochloromethane	10.984	129	658084	148.334	ug/l	100
61) 1,2-Dibromoethane	11.087	107	522232	146.777	ug/l	100
64) Tetrachloroethene	10.715	164	664898	138.765	ug/l	95
65) Chlorobenzene	11.514	112	1790012	142.974	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	662960	144.208	ug/l	98
67) Ethyl Benzene	11.593	91	3245574	141.564	ug/l	97
68) m/p-Xylenes	11.703	106	2508786	286.454	ug/l	94
69) o-Xylene	12.026	106	1213101	142.661	ug/l	94
70) Styrene	12.044	104	2041800	144.147	ug/l	97
71) Bromoform	12.209	173	425928	149.878	ug/l #	98
73) Isopropylbenzene	12.331	105	3152655	145.954	ug/l	99
74) N-amyl acetate	12.142	43	908848	152.511	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	624547	150.450	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	465361m	151.359	ug/l	
77) Bromobenzene	12.605	156	722225	146.980	ug/l	98
78) n-propylbenzene	12.672	91	3722078	143.546	ug/l	98
79) 2-Chlorotoluene	12.758	91	2136654	145.793	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	2598427	143.580	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	241016	156.052	ug/l #	85
82) 4-Chlorotoluene	12.855	91	2191215	145.208	ug/l	100
83) tert-Butylbenzene	13.075	119	2297476	146.122	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	2557108	143.884	ug/l	98
85) sec-Butylbenzene	13.251	105	3326660	143.071	ug/l	99
86) p-Isopropyltoluene	13.367	119	2777803	144.630	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	1383035	144.957	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	1374922	144.940	ug/l	98
89) n-Butylbenzene	13.697	91	2595884	142.977	ug/l	97
90) Hexachloroethane	13.959	117	538420	146.046	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	1240461	145.875	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	109962	150.327	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	793876	150.829	ug/l	99
94) Hexachlorobutadiene	15.111	225	437014	141.659	ug/l	98
95) Naphthalene	15.233	128	1732141	158.603	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	686151	153.920	ug/l	98

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

