

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102623\
 Data File : VY016080.D
 Acq On : 26 Oct 2023 13:49
 Operator : SY/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 :Mahesh Dadoda 10/27/2023
 Supervised By :Semsettin Yesilyurt 10/27/2023

Quant Time: Oct 27 03:59:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 03:53:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	223579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	358173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	318930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	152540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	325642	146.475	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 292.960%#			
35) Dibromofluoromethane	7.716	113	333796	147.624	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 295.240%#			
50) Toluene-d8	10.179	98	1267714	151.358	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 302.720%#			
62) 4-Bromofluorobenzene	12.483	95	431726	150.268	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 300.540%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	217728	141.106	ug/l	98
3) Chloromethane	2.113	50	260613	137.834	ug/l	97
4) Vinyl Chloride	2.247	62	309596	143.329	ug/l	97
5) Bromomethane	2.625	94	228706	142.449	ug/l	99
6) Chloroethane	2.784	64	206092	139.294	ug/l	96
7) Trichlorofluoromethane	3.119	101	484556	140.180	ug/l	100
8) Diethyl Ether	3.528	74	162465	140.228	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	292122	140.089	ug/l	95
10) Methyl Iodide	4.088	142	385434	144.658	ug/l	97
11) Tert butyl alcohol	4.954	59	148988	743.781	ug/l #	84
12) 1,1-Dichloroethene	3.869	96	271268	141.988	ug/l	90
13) Acrolein	3.729	56	187162	675.926	ug/l	99
14) Allyl chloride	4.472	41	428942	143.626	ug/l #	92
15) Acrylonitrile	5.155	53	400760	705.113	ug/l	98
16) Acetone	3.942	43	405243	672.506	ug/l #	89
17) Carbon Disulfide	4.192	76	746544	141.264	ug/l	98
18) Methyl Acetate	4.472	43	301113	141.334	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	791726	145.315	ug/l	99
20) Methylene Chloride	4.710	84	318968	147.317	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	313477	141.549	ug/l	94
22) Diisopropyl ether	6.119	45	926280	141.840	ug/l	89
23) Vinyl Acetate	6.058	43	2515649	718.978	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	556910	141.550	ug/l	97
25) 2-Butanone	6.984	43	552706	679.599	ug/l	93
26) 2,2-Dichloropropane	6.978	77	512702	140.180	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	368737	141.778	ug/l	93
28) Bromochloromethane	7.332	49	232494	144.445	ug/l	89
29) Tetrahydrofuran	7.344	42	326953	700.668	ug/l	89
30) Chloroform	7.502	83	588437	141.583	ug/l	98
31) Cyclohexane	7.783	56	469545	134.250	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	527134	141.400	ug/l	97
36) 1,1-Dichloropropene	7.917	75	446638	141.706	ug/l	99
37) Ethyl Acetate	7.076	43	228119	141.205	ug/l #	95
38) Carbon Tetrachloride	7.899	117	480081	144.036	ug/l	99
39) Methylcyclohexane	9.179	83	565929	147.388	ug/l	93
40) Benzene	8.161	78	1267443	142.033	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	123784	146.407	ug/l	95
42) 1,2-Dichloroethane	8.234	62	362128	140.443	ug/l	94
43) Isopropyl Acetate	8.271	43	437846	144.954	ug/l #	92
44) Trichloroethene	8.941	130	357543	143.491	ug/l	96
45) 1,2-Dichloropropane	9.216	63	323187	143.098	ug/l	96
46) Dibromomethane	9.307	93	188405	142.272	ug/l	97
47) Bromodichloromethane	9.496	83	459615	143.510	ug/l	98
48) Methyl methacrylate	9.295	41	204979	147.298	ug/l	86
49) 1,4-Dioxane	9.295	88	47681	2877.847	ug/l #	50
51) 4-Methyl-2-Pentanone	10.069	43	1137887	713.920	ug/l	90
52) Toluene	10.246	92	824542	143.894	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	479121	146.296	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	547109	147.722	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	264972	140.827	ug/l	97
56) Ethyl methacrylate	10.508	69	365888	151.313	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	445692	141.704	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	905173	751.932	ug/l	95
59) 2-Hexanone	10.831	43	829662	706.643	ug/l	87
60) Dibromochloromethane	10.984	129	333081	144.561	ug/l	100
61) 1,2-Dibromoethane	11.087	107	257897	143.142	ug/l	99
64) Tetrachloroethene	10.721	164	305957	144.966	ug/l	97
65) Chlorobenzene	11.514	112	890241	142.041	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	337948	144.385	ug/l	98
67) Ethyl Benzene	11.593	91	1622935	145.786	ug/l	98
68) m/p-Xylenes	11.703	106	1249500	290.035	ug/l	95
69) o-Xylene	12.032	106	602844	146.166	ug/l	96
70) Styrene	12.044	104	1012611	147.289	ug/l	97
71) Bromoform	12.209	173	207764	145.723	ug/l #	99
73) Isopropylbenzene	12.331	105	1593528	148.439	ug/l	100
74) N-amyl acetate	12.142	43	393785	150.436	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	314668	143.392	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	223363m	142.445	ug/l	
77) Bromobenzene	12.611	156	361848	144.426	ug/l	99
78) n-propylbenzene	12.672	91	1898639	146.068	ug/l	99
79) 2-Chlorotoluene	12.758	91	1058617	145.419	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	1309432	146.914	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	109213	152.393	ug/l	91
82) 4-Chlorotoluene	12.855	91	1089852	144.359	ug/l	99
83) tert-Butylbenzene	13.075	119	1170113	147.694	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	1294887	147.102	ug/l	98
85) sec-Butylbenzene	13.251	105	1726108	146.282	ug/l	100
86) p-Isopropyltoluene	13.367	119	1444888	146.746	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	727997	143.901	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	713959	142.794	ug/l	99
89) n-Butylbenzene	13.696	91	1362174	148.307	ug/l	96
90) Hexachloroethane	13.959	117	282944	147.601	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	644539	143.896	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	49739	144.374	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	423423	152.799	ug/l	99
94) Hexachlorobutadiene	15.111	225	237428	147.623	ug/l	97
95) Naphthalene	15.233	128	861585	159.424	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	365478	152.937	ug/l	99

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

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