

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021924\
 Data File : VY017404.D
 Acq On : 19 Feb 2024 11:22
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Feb 19 12:09:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 19 11:54:50 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/20/2024
 Supervised By :Semsettin Yesilyurt 02/20/2024

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	187730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	285820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	247427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	114166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	224770	109.490	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 218.980%#			
35) Dibromofluoromethane	7.728	113	261214	144.752	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 289.500%#			
50) Toluene-d8	10.191	98	1017207	147.084	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 294.160%#			
62) 4-Bromofluorobenzene	12.489	95	312700	147.610	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 295.220%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	191837	124.765	ug/l	98
3) Chloromethane	2.119	50	386088	115.460	ug/l	98
4) Vinyl Chloride	2.259	62	468587	116.786	ug/l	99
5) Bromomethane	2.656	94	363259	125.883	ug/l	98
6) Chloroethane	2.802	64	308974	121.129	ug/l	97
7) Trichlorofluoromethane	3.131	101	464588	120.758	ug/l	99
8) Diethyl Ether	3.540	74	136313	121.436	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.912	101	277206	124.644	ug/l	95
10) Methyl Iodide	4.107	142	320942	145.896	ug/l	97
11) Tert butyl alcohol	4.997	59	67248	412.362	ug/l	99
12) 1,1-Dichloroethene	3.881	96	262845	127.705	ug/l	93
13) Acrolein	3.741	56	91771	440.340	ug/l	99
14) Allyl chloride	4.497	41	315998	99.325	ug/l #	94
15) Acrylonitrile	5.180	53	264094	536.174	ug/l	99
16) Acetone	3.966	43	228620	413.185	ug/l	93
17) Carbon Disulfide	4.210	76	758144	118.411	ug/l	99
18) Methyl Acetate	4.491	43	218762	135.364	ug/l #	90
19) Methyl tert-butyl Ether	5.234	73	632573	128.058	ug/l	98
20) Methylene Chloride	4.735	84	276222	80.909	ug/l	87
21) trans-1,2-Dichloroethene	5.234	96	311419	129.922	ug/l	92
22) Diisopropyl ether	6.131	45	742987	105.782	ug/l	94
23) Vinyl Acetate	6.076	43	1424252m	381.022	ug/l	
24) 1,1-Dichloroethane	6.033	63	484990	113.627	ug/l	98
25) 2-Butanone	7.002	43	336041	465.751	ug/l	90
26) 2,2-Dichloropropane	6.996	77	445725	122.824	ug/l	96
27) cis-1,2-Dichloroethene	6.996	96	352707	131.768	ug/l	91
28) Bromochloromethane	7.350	49	181321	99.903	ug/l #	72
29) Tetrahydrofuran	7.362	42	197325	488.429	ug/l #	83
30) Chloroform	7.521	83	518664	120.309	ug/l	97
31) Cyclohexane	7.801	56	430751	109.024	ug/l	88
32) 1,1,1-Trichloroethane	7.716	97	470782	126.712	ug/l	96
36) 1,1-Dichloropropene	7.929	75	416983	138.145	ug/l	96
37) Ethyl Acetate	7.088	43	139047	105.499	ug/l #	94
38) Carbon Tetrachloride	7.911	117	427713	148.932	ug/l	97
39) Methylcyclohexane	9.197	83	547817	154.494	ug/l	93
40) Benzene	8.173	78	1219399	140.432	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	68323	110.194	ug/l	93
42) 1,2-Dichloroethane	8.252	62	282589	124.949	ug/l	97
43) Isopropyl Acetate	8.283	43	278316	116.776	ug/l #	91
44) Trichloroethene	8.953	130	339724	154.764	ug/l	92
45) 1,2-Dichloropropane	9.228	63	283882	131.391	ug/l	98
46) Dibromomethane	9.313	93	158876	141.983	ug/l #	88
47) Bromodichloromethane	9.508	83	398165	141.410	ug/l	100
48) Methyl methacrylate	9.301	41	161196	133.980	ug/l #	87
49) 1,4-Dioxane	9.319	88	32047	2837.845	ug/l #	89
51) 4-Methyl-2-Pentanone	10.081	43	746922	582.593	ug/l	90
52) Toluene	10.252	92	797372	152.453	ug/l	99
53) t-1,3-Dichloropropene	10.477	75	382976	144.828	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	460470	142.944	ug/l #	91
55) 1,1,2-Trichloroethane	10.654	97	224407	147.825	ug/l	98
56) Ethyl methacrylate	10.520	69	209681	134.199	ug/l #	85
57) 1,3-Dichloropropane	10.801	76	364100	138.213	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	741283	726.584	ug/l	94
59) 2-Hexanone	10.843	43	531211	582.053	ug/l	88
60) Dibromochloromethane	10.996	129	275325	157.300	ug/l	100
61) 1,2-Dibromoethane	11.099	107	209918	150.192	ug/l	98
64) Tetrachloroethene	10.727	164	298774	162.606	ug/l	95
65) Chlorobenzene	11.526	112	807397	150.378	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	319164	162.715	ug/l	99
67) Ethyl Benzene	11.599	91	1553785	156.682	ug/l	98
68) m/p-Xylenes	11.709	106	1203523	323.834	ug/l	94
69) o-Xylene	12.038	106	555276	162.764	ug/l	92
70) Styrene	12.050	104	814881	155.736	ug/l	98
71) Bromoform	12.215	173	163636	172.547	ug/l #	100
73) Isopropylbenzene	12.337	105	1456081	152.181	ug/l	98
74) N-amyl acetate	12.154	43	236688	115.818	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	243865	135.391	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	145274m	132.772	ug/l	
77) Bromobenzene	12.617	156	329982	160.625	ug/l	84
78) n-propylbenzene	12.678	91	1684995	141.731	ug/l	96
79) 2-Chlorotoluene	12.764	91	911545	138.643	ug/l	96
80) 1,3,5-Trimethylbenzene	12.818	105	1136584	148.849	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	76174	141.043	ug/l	89
82) 4-Chlorotoluene	12.861	91	931296	138.945	ug/l	96
83) tert-Butylbenzene	13.081	119	992262	151.401	ug/l	95
84) 1,2,4-Trimethylbenzene	13.129	105	1143881	152.181	ug/l	98
85) sec-Butylbenzene	13.264	105	1441824	143.958	ug/l	98
86) p-Isopropyltoluene	13.379	119	1287030	157.287	ug/l	97
87) 1,3-Dichlorobenzene	13.373	146	658366	160.483	ug/l	98
88) 1,4-Dichlorobenzene	13.453	146	599820	149.484	ug/l	98
89) n-Butylbenzene	13.702	91	1128150	144.367	ug/l	98
90) Hexachloroethane	13.971	117	238552	141.818	ug/l	83
91) 1,2-Dichlorobenzene	13.745	146	528032	153.101	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	29900	133.653	ug/l	77
93) 1,2,4-Trichlorobenzene	15.013	180	295576	178.087	ug/l	99
94) Hexachlorobutadiene	15.117	225	161849	169.193	ug/l	97
95) Naphthalene	15.245	128	544267	183.211	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	248900	179.765	ug/l	98

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

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