

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021424\
 Data File : VY017378.D
 Acq On : 14 Feb 2024 12:34
 Operator : SY/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 :Mahesh Dadoda 02/15/2024
 Supervised By :Semsettin Yesilyurt 02/15/2024

Quant Time: Feb 15 02:19:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021424S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 01:05:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	132055	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.697	114	212656	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.502	117	180894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	76198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	191736	136.830	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 273.660%#			
35) Dibromofluoromethane	7.722	113	201542	148.650	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 297.300%#			
50) Toluene-d8	10.191	98	805015	153.234	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 306.460%#			
62) 4-Bromofluorobenzene	12.495	95	240726	149.470	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 298.940%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	168853	150.122	ug/l	97
3) Chloromethane	2.113	50	289911	136.232	ug/l	100
4) Vinyl Chloride	2.253	62	351954	138.598	ug/l	100
5) Bromomethane	2.643	94	244507	135.645	ug/l	96
6) Chloroethane	2.796	64	219133	135.424	ug/l	99
7) Trichlorofluoromethane	3.125	101	358581	140.542	ug/l	99
8) Diethyl Ether	3.534	74	102046	138.522	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	209535	136.506	ug/l	100
10) Methyl Iodide	4.094	142	231363	153.345	ug/l	99
11) Tert butyl alcohol	4.954	59	55240	736.120	ug/l	98
12) 1,1-Dichloroethene	3.875	96	202743	143.204	ug/l	99
13) Acrolein	3.729	56	90577	598.154	ug/l	99
14) Allyl chloride	4.485	41	299563	143.097	ug/l	97
15) Acrylonitrile	5.167	53	208442	657.721	ug/l	100
16) Acetone	3.948	43	202933	750.074	ug/l	99
17) Carbon Disulfide	4.198	76	628425	139.146	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	453561	144.118	ug/l	100
20) Methylene Chloride	4.722	84	207486	147.290	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	230195	142.322	ug/l	99
22) Diisopropyl ether	6.125	45	630266	140.489	ug/l	96
23) Vinyl Acetate	6.064	43	1477420	747.299	ug/l	99
24) 1,1-Dichloroethane	6.021	63	384420	137.338	ug/l	99
25) 2-Butanone	6.990	43	287290	626.866	ug/l	97
26) 2,2-Dichloropropane	6.984	77	350654	146.265	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	250485	143.842	ug/l	99
28) Bromochloromethane	7.338	49	145738	144.394	ug/l	97
29) Tetrahydrofuran	7.356	42	168322	662.287	ug/l	99
30) Chloroform	7.515	83	385381	138.075	ug/l	98
31) Cyclohexane	7.789	56	360828	135.262	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	354582	143.183	ug/l	99
36) 1,1-Dichloropropene	7.923	75	326163	146.925	ug/l	100
37) Ethyl Acetate	7.082	43	114461	126.826	ug/l	99
38) Carbon Tetrachloride	7.911	117	322007	151.167	ug/l	100
39) Methylcyclohexane	9.191	83	409735	154.152	ug/l	98
40) Benzene	8.167	78	917691	147.548	ug/l	99
41) Methacrylonitrile	7.313	41	71229	154.849	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.246	62	221737	140.081	ug/l	100
43) Isopropyl Acetate	8.277	43	228134	141.114	ug/l	99
44) Trichloroethene	8.947	130	240642	149.729	ug/l	96
45) 1,2-Dichloropropane	9.222	63	217965	145.615	ug/l	99
46) Dibromomethane	9.313	93	110826	142.683	ug/l	99
47) Bromodichloromethane	9.508	83	290478	145.403	ug/l	96
48) Methyl methacrylate	9.301	41	133761	156.929	ug/l	97
49) 1,4-Dioxane	9.307	88	22521	2813.905	ug/l	94
51) 4-Methyl-2-Pentanone	10.081	43	605801	689.670	ug/l	99
52) Toluene	10.252	92	570086	150.831	ug/l	100
53) t-1,3-Dichloropropene	10.477	75	279243	150.878	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	341754	150.842	ug/l	98
55) 1,1,2-Trichloroethane	10.654	97	149949	140.766	ug/l	98
56) Ethyl methacrylate	10.520	69	145170	133.704	ug/l	98
57) 1,3-Dichloropropane	10.801	76	261215	142.376	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	512096	735.390	ug/l	100
59) 2-Hexanone	10.843	43	425090	673.434	ug/l	98
60) Dibromochloromethane	10.996	129	183116	148.017	ug/l	99
61) 1,2-Dibromoethane	11.099	107	139605	142.906	ug/l	100
64) Tetrachloroethene	10.727	164	196244	146.732	ug/l	99
65) Chlorobenzene	11.526	112	569978	148.621	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	213786	154.974	ug/l	99
67) Ethyl Benzene	11.605	91	1118598	158.350	ug/l	100
68) m/p-Xylenes	11.715	106	835159	313.562	ug/l	100
69) o-Xylene	12.038	106	382891	158.912	ug/l	99
70) Styrene	12.056	104	552769	149.536	ug/l	99
71) Bromoform	12.221	173	98023	146.563	ug/l #	98
73) Isopropylbenzene	12.343	105	1012527	159.452	ug/l	99
74) N-amyl acetate	12.154	43	185049	147.391	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	158602	139.368	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	111281m	141.552	ug/l	
77) Bromobenzene	12.623	156	204760	153.119	ug/l	98
78) n-propylbenzene	12.684	91	1210898	154.894	ug/l	100
79) 2-Chlorotoluene	12.770	91	644450	151.068	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	792967	158.897	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.392	75	51627	150.114	ug/l	96
82) 4-Chlorotoluene	12.867	91	656606	149.513	ug/l	99
83) tert-Butylbenzene	13.087	119	687577	157.763	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	782543	158.847	ug/l	98
85) sec-Butylbenzene	13.264	105	983162	147.840	ug/l	98
86) p-Isopropyltoluene	13.379	119	862466	160.270	ug/l	100
87) 1,3-Dichlorobenzene	13.379	146	412198	152.300	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	378613	143.810	ug/l	99
89) n-Butylbenzene	13.709	91	786445	150.453	ug/l	99
90) Hexachloroethane	13.971	117	164952	147.881	ug/l	99
91) 1,2-Dichlorobenzene	13.751	146	327013	146.614	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	19617	138.805	ug/l	97
93) 1,2,4-Trichlorobenzene	15.019	180	164036	147.405	ug/l	100
94) Hexachlorobutadiene	15.123	225	91024	132.525	ug/l	99
95) Naphthalene	15.251	128	303752	156.853	ug/l	100
96) 1,2,3-Trichlorobenzene	15.434	180	132426	141.842	ug/l	98

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

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