

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031224\
 Data File : VY017637.D
 Acq On : 12 Mar 2024 11:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/13/2024
 Supervised By :Semsettin Yesilyurt 03/13/2024

Quant Time: Mar 13 04:07:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	139710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	229190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	204207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	65572	49.523	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.040%		
35) Dibromofluoromethane	7.722	113	72260	45.245	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.500%		
50) Toluene-d8	10.185	98	264824	47.426	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.860%		
62) 4-Bromofluorobenzene	12.489	95	84620	48.220	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.440%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	36152	35.079	ug/l	97
3) Chloromethane	2.113	50	84529	44.890	ug/l	98
4) Vinyl Chloride	2.253	62	113744	47.085	ug/l	99
5) Bromomethane	2.650	94	95752	48.639	ug/l	96
6) Chloroethane	2.796	64	79745	52.329	ug/l	98
7) Trichlorofluoromethane	3.125	101	97698	39.681	ug/l	96
8) Diethyl Ether	3.527	74	33076	45.804	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	59126	41.751	ug/l	99
10) Methyl Iodide	4.094	142	75936	47.779	ug/l	100
11) Tert butyl alcohol	4.954	59	22157	197.000	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	56461	42.780	ug/l	98
13) Acrolein	3.729	56	22567	152.066	ug/l	99
14) Allyl chloride	4.479	41	75106	47.097	ug/l	99
15) Acrylonitrile	5.161	53	71984	242.493	ug/l	100
16) Acetone	3.948	43	67203	261.677	ug/l	91
17) Carbon Disulfide	4.192	76	169654	42.827	ug/l	99
18) Methyl Acetate	4.479	43	32866	52.750	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	149988	48.758	ug/l	98
20) Methylene Chloride	4.716	84	73058	48.225	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	69098	44.715	ug/l	98
22) Diisopropyl ether	6.118	45	185195	50.326	ug/l	96
23) Vinyl Acetate	6.058	43	558984	254.916	ug/l	99
24) 1,1-Dichloroethane	6.015	63	117483	46.731	ug/l	98
25) 2-Butanone	6.984	43	94979	259.508	ug/l	97
26) 2,2-Dichloropropane	6.984	77	98885	46.782	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	81320	46.870	ug/l	99
28) Bromochloromethane	7.332	49	54044	54.583	ug/l	96
29) Tetrahydrofuran	7.350	42	56224	254.839	ug/l	97
30) Chloroform	7.508	83	124987	46.696	ug/l	99
31) Cyclohexane	7.789	56	94701	43.949	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	104430	44.939	ug/l	97
36) 1,1-Dichloropropene	7.917	75	93936	43.594	ug/l	99
37) Ethyl Acetate	7.076	43	39175	46.031	ug/l	99
38) Carbon Tetrachloride	7.905	117	92438	42.804	ug/l	94
39) Methylcyclohexane	9.191	83	111475	43.047	ug/l	99
40) Benzene	8.161	78	279993	43.755	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	21990m	51.490	ug/l	
42) 1,2-Dichloroethane	8.240	62	72531	46.455	ug/l	99
43) Isopropyl Acetate	8.277	43	73861	49.387	ug/l	98
44) Trichloroethene	8.941	130	78009	42.294	ug/l	98
45) 1,2-Dichloropropane	9.222	63	69172	45.435	ug/l	98
46) Dibromomethane	9.307	93	40332	46.289	ug/l	97
47) Bromodichloromethane	9.502	83	96215	45.479	ug/l	99
48) Methyl methacrylate	9.295	41	34313	49.567	ug/l	97
49) 1,4-Dioxane	9.307	88	8512	863.225	ug/l #	99
51) 4-Methyl-2-Pentanone	10.075	43	206443	247.679	ug/l	100
52) Toluene	10.252	92	181056	44.881	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	91794	46.747	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	108199	45.347	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	54592	44.129	ug/l	97
56) Ethyl methacrylate	10.514	69	68132	45.033	ug/l	99
57) 1,3-Dichloropropane	10.794	76	91179	45.332	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	200504	280.872	ug/l	100
59) 2-Hexanone	10.837	43	149138	260.494	ug/l	99
60) Dibromochloromethane	10.990	129	66068	45.144	ug/l	99
61) 1,2-Dibromoethane	11.093	107	51235	44.942	ug/l	100
64) Tetrachloroethene	10.727	164	83693	42.700	ug/l	98
65) Chlorobenzene	11.520	112	187964	43.365	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	70600	43.478	ug/l	100
67) Ethyl Benzene	11.599	91	341993	44.990	ug/l	97
68) m/p-Xylenes	11.709	106	270693	90.625	ug/l	99
69) o-Xylene	12.032	106	124127	44.793	ug/l	99
70) Styrene	12.050	104	208774	45.388	ug/l	99
71) Bromoform	12.215	173	40380	44.875	ug/l #	95
73) Isopropylbenzene	12.337	105	327801	45.278	ug/l	99
74) N-amyl acetate	12.148	43	64049	50.160	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	55763	44.853	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	42484m	45.883	ug/l	
77) Bromobenzene	12.611	156	76297	43.517	ug/l	99
78) n-propylbenzene	12.678	91	399944	46.039	ug/l	99
79) 2-Chlorotoluene	12.764	91	217550	44.730	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	263457	45.421	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	18687	46.374	ug/l	99
82) 4-Chlorotoluene	12.861	91	228318	45.896	ug/l	100
83) tert-Butylbenzene	13.081	119	227011	44.570	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	259059	45.240	ug/l	99
85) sec-Butylbenzene	13.257	105	352210	45.230	ug/l	99
86) p-Isopropyltoluene	13.373	119	291538	45.734	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	153130	43.513	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	150427	43.967	ug/l	99
89) n-Butylbenzene	13.703	91	267459	45.987	ug/l	98
90) Hexachloroethane	13.965	117	55444	43.384	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	131519	44.183	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	7815	44.714	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	67942	43.211	ug/l	98
94) Hexachlorobutadiene	15.117	225	38800	39.969	ug/l	98
95) Naphthalene	15.239	128	120331	40.319	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	57744	42.810	ug/l	99

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

