

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032624\
 Data File : VY017774.D
 Acq On : 26 Mar 2024 16:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/27/2024
 Supervised By :Semsettin Yesilyurt 03/27/2024

Quant Time: Mar 27 01:32:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032224S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 04:03:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	153713	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.697	114	243889	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.495	117	216434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106547	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	72908	54.445	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.880%	
35) Dibromofluoromethane	7.728	113	78915	54.131	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.260%	
50) Toluene-d8	10.185	98	298526	53.503	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.000%	
62) 4-Bromofluorobenzene	12.483	95	94871	56.624	ug/l	-0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.240%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	59684	44.975	ug/l	99
3) Chloromethane	2.119	50	90524	52.657	ug/l	98
4) Vinyl Chloride	2.253	62	111458	53.623	ug/l	97
5) Bromomethane	2.656	94	91418	56.328	ug/l	99
6) Chloroethane	2.796	64	76859	55.327	ug/l	99
7) Trichlorofluoromethane	3.131	101	116962	53.387	ug/l	97
8) Diethyl Ether	3.533	74	39239	54.326	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.899	101	77455	49.664	ug/l	100
10) Methyl Iodide	4.100	142	93111	48.840	ug/l	99
11) Tert butyl alcohol	4.960	59	24447	274.468	ug/l #	82
12) 1,1-Dichloroethene	3.881	96	73738	50.265	ug/l	96
13) Acrolein	3.735	56	28050	261.254	ug/l	98
14) Allyl chloride	4.491	41	97220	48.901	ug/l	97
15) Acrylonitrile	5.173	53	80363	268.580	ug/l	100
16) Acetone	3.954	43	69016	294.657	ug/l #	86
17) Carbon Disulfide	4.198	76	232107	47.285	ug/l	99
18) Methyl Acetate	4.484	43	31952	54.182	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	172465	54.525	ug/l	100
20) Methylene Chloride	4.722	84	90991	53.416	ug/l	95
21) trans-1,2-Dichloroethene	5.228	96	83672	50.031	ug/l	94
22) Diisopropyl ether	6.131	45	225540	52.103	ug/l	98
23) Vinyl Acetate	6.070	43	685480	269.612	ug/l	96
24) 1,1-Dichloroethane	6.027	63	140979	49.549	ug/l	99
25) 2-Butanone	6.996	43	100648	252.869	ug/l	93
26) 2,2-Dichloropropane	6.990	77	116505	48.173	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	98755	52.204	ug/l	99
28) Bromochloromethane	7.344	49	58528	53.061	ug/l	95
29) Tetrahydrofuran	7.356	42	64670	258.286	ug/l	95
30) Chloroform	7.514	83	149637	50.732	ug/l	98
31) Cyclohexane	7.795	56	118920	44.901	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	128267	49.933	ug/l	97
36) 1,1-Dichloropropene	7.929	75	108273	48.073	ug/l	99
37) Ethyl Acetate	7.082	43	46071	53.234	ug/l	97
38) Carbon Tetrachloride	7.911	117	117416	49.789	ug/l	98
39) Methylcyclohexane	9.191	83	141147	48.819	ug/l	96
40) Benzene	8.167	78	341589	50.667	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	24451m	57.195	ug/l	
42) 1,2-Dichloroethane	8.246	62	83883	51.946	ug/l	99
43) Isopropyl Acetate	8.283	43	84925	49.605	ug/l	97
44) Trichloroethene	8.947	130	91937	52.135	ug/l	95
45) 1,2-Dichloropropane	9.221	63	77527	50.470	ug/l	99
46) Dibromomethane	9.313	93	45579	53.247	ug/l	98
47) Bromodichloromethane	9.502	83	114230	52.190	ug/l	98
48) Methyl methacrylate	9.301	41	39779	49.945	ug/l	96
49) 1,4-Dioxane	9.301	88	9470	1136.999	ug/l #	97
51) 4-Methyl-2-Pentanone	10.075	43	231238	251.265	ug/l	97
52) Toluene	10.252	92	212767	51.072	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	102991	53.804	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	123734	52.916	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	59220	54.081	ug/l	95
56) Ethyl methacrylate	10.514	69	78603	51.026	ug/l	95
57) 1,3-Dichloropropane	10.794	76	102741	54.472	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	201867	260.595	ug/l	100
59) 2-Hexanone	10.837	43	162938	251.662	ug/l	97
60) Dibromochloromethane	10.989	129	79707	54.419	ug/l	98
61) 1,2-Dibromoethane	11.093	107	56344	54.807	ug/l	99
64) Tetrachloroethene	10.727	164	105811	52.864	ug/l	98
65) Chlorobenzene	11.520	112	238453	51.182	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	82232	52.854	ug/l	98
67) Ethyl Benzene	11.599	91	409671	51.199	ug/l	95
68) m/p-Xylenes	11.709	106	321981	103.732	ug/l	100
69) o-Xylene	12.032	106	148846	52.524	ug/l	98
70) Styrene	12.050	104	255455	54.162	ug/l	99
71) Bromoform	12.215	173	45781	55.873	ug/l #	100
73) Isopropylbenzene	12.331	105	382531	47.547	ug/l	99
74) N-amyl acetate	12.148	43	75606	45.916	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	62097	50.128	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	43800m	44.517	ug/l	
77) Bromobenzene	12.611	156	93757	51.185	ug/l	95
78) n-propylbenzene	12.678	91	467133	47.965	ug/l	99
79) 2-Chlorotoluene	12.757	91	258084	48.323	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	310422	49.288	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	21680	50.916	ug/l	98
82) 4-Chlorotoluene	12.861	91	266404	48.616	ug/l	97
83) tert-Butylbenzene	13.081	119	284968	50.000	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	309502	50.127	ug/l	98
85) sec-Butylbenzene	13.257	105	416723	48.785	ug/l	98
86) p-Isopropyltoluene	13.373	119	356301	50.236	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	186407	50.219	ug/l	100
88) 1,4-Dichlorobenzene	13.452	146	177362	49.774	ug/l	99
89) n-Butylbenzene	13.696	91	323214	50.371	ug/l	100
90) Hexachloroethane	13.964	117	69113	47.785	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	159196	51.774	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8399	51.371	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	84471	56.710	ug/l	99
94) Hexachlorobutadiene	15.111	225	51520	53.885	ug/l	99
95) Naphthalene	15.239	128	142512	51.650	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	71676	58.282	ug/l	99

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

