

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014839.D
 Acq On : 26 Jul 2023 06:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 07/26/2023
 Supervised By : Semsettin Yesilyurt 07/27/2023

Quant Time: Jul 26 07:42:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	190816	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	334787	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	299234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	148265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	111480	51.269	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.540%			
35) Dibromofluoromethane	7.728	113	102075	47.896	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.800%			
50) Toluene-d8	10.184	98	363118	46.215	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.420%			
62) 4-Bromofluorobenzene	12.483	95	132620	44.020	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 88.040%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	68109	43.811	ug/l	98
3) Chloromethane	2.119	50	104889	60.021	ug/l	99
4) Vinyl Chloride	2.253	62	118244	60.544	ug/l	98
5) Bromomethane	2.655	94	86905	67.333	ug/l	95
6) Chloroethane	2.796	64	83194	68.194	ug/l	96
7) Trichlorofluoromethane	3.131	101	166545	50.774	ug/l	98
8) Diethyl Ether	3.539	74	67477	55.289	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.905	101	100148	49.813	ug/l	95
10) Methyl Iodide	4.100	142	107414	50.380	ug/l	97
11) Tert butyl alcohol	4.984	59	103502	228.053	ug/l #	84
12) 1,1-Dichloroethene	3.881	96	95881	51.026	ug/l	91
13) Acrolein	3.741	56	30585	134.576	ug/l	97
14) Allyl chloride	4.490	41	154055	46.175	ug/l	96
15) Acrylonitrile	5.179	53	204246	303.488	ug/l	98
16) Acetone	3.966	43	164352	238.521	ug/l	93
17) Carbon Disulfide	4.204	76	245898	45.709	ug/l	97
18) Methyl Acetate	4.490	43	195154	73.803	ug/l	93
19) Methyl tert-butyl Ether	5.234	73	351263	57.548	ug/l	99
20) Methylene Chloride	4.728	84	121788	54.814	ug/l	90
21) trans-1,2-Dichloroethene	5.228	96	113024	53.003	ug/l	94
22) Diisopropyl ether	6.130	45	366731	54.065	ug/l	93
23) Vinyl Acetate	6.069	43	989927	243.871	ug/l #	94
24) 1,1-Dichloroethane	6.027	63	211259	54.431	ug/l	96
25) 2-Butanone	7.002	43	280671	278.424	ug/l	96
26) 2,2-Dichloropropane	6.996	77	132208	35.742	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	138988	55.996	ug/l	92
28) Bromochloromethane	7.344	49	89142	53.329	ug/l	92
29) Tetrahydrofuran	7.362	42	185433	298.736	ug/l	92
30) Chloroform	7.514	83	225827	56.424	ug/l	100
31) Cyclohexane	7.795	56	155371	43.044	ug/l	94
32) 1,1,1-Trichloroethane	7.709	97	193382	53.685	ug/l	99
36) 1,1-Dichloropropene	7.929	75	155526	48.798	ug/l	100
37) Ethyl Acetate	7.087	43	114736	52.288	ug/l #	95
38) Carbon Tetrachloride	7.910	117	168673	50.066	ug/l	97
39) Methylcyclohexane	9.191	83	181221	43.645	ug/l	95
40) Benzene	8.173	78	470035	51.856	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	61982	54.916	ug/l	93
42) 1,2-Dichloroethane	8.246	62	157163	54.753	ug/l	95
43) Isopropyl Acetate	8.282	43	219720	52.565	ug/l	97
44) Trichloroethene	8.947	130	130661	51.520	ug/l	98
45) 1,2-Dichloropropane	9.221	63	122640	51.815	ug/l	98
46) Dibromomethane	9.313	93	78384	54.590	ug/l	95
47) Bromodichloromethane	9.502	83	181875	53.742	ug/l	98
48) Methyl methacrylate	9.300	41	102069	54.267	ug/l	93
49) 1,4-Dioxane	9.307	88	26854	1146.959	ug/l #	55
51) 4-Methyl-2-Pentanone	10.075	43	637960	290.686	ug/l	94
52) Toluene	10.252	92	299335	51.607	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	170029	45.932	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	188212	46.754	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	111335	55.664	ug/l	98
56) Ethyl methacrylate	10.514	69	165672	54.250	ug/l	89
57) 1,3-Dichloropropane	10.794	76	187354	54.308	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.788	63	352613	247.809	ug/l	94
59) 2-Hexanone	10.837	43	447116	279.365	ug/l	92
60) Dibromochloromethane	10.989	129	134385	54.800	ug/l	100
61) 1,2-Dibromoethane	11.093	107	109001	54.628	ug/l	99
64) Tetrachloroethene	10.727	164	134950	56.074	ug/l	97
65) Chlorobenzene	11.520	112	330007	51.753	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	130260	54.179	ug/l	99
67) Ethyl Benzene	11.599	91	582359	50.583	ug/l	98
68) m/p-Xylenes	11.709	106	443965	101.021	ug/l	96
69) o-Xylene	12.032	106	219731	51.332	ug/l	98
70) Styrene	12.050	104	378833	52.509	ug/l	97
71) Bromoform	12.215	173	88374	54.228	ug/l #	99
73) Isopropylbenzene	12.330	105	572464	49.311	ug/l	100
74) N-amyl acetate	12.148	43	175180	45.055	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.586	83	140384	53.027	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	101598m	54.257	ug/l	
77) Bromobenzene	12.611	156	139173	52.518	ug/l	98
78) n-propylbenzene	12.672	91	678038	48.469	ug/l	99
79) 2-Chlorotoluene	12.757	91	393345	48.817	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	474587	48.950	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	37110	38.371	ug/l	97
82) 4-Chlorotoluene	12.861	91	399575	48.151	ug/l	99
83) tert-Butylbenzene	13.080	119	420467	48.889	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	471281	49.531	ug/l	99
85) sec-Butylbenzene	13.257	105	612648	48.560	ug/l	100
86) p-Isopropyltoluene	13.373	119	502944	48.826	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	264152	51.216	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	266568	51.577	ug/l	99
89) n-Butylbenzene	13.696	91	463246	46.224	ug/l	97
90) Hexachloroethane	13.964	117	101944	48.183	ug/l	88
91) 1,2-Dichlorobenzene	13.745	146	246439	52.153	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	26806	52.946	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	147208	49.076	ug/l	98
94) Hexachlorobutadiene	15.110	225	74925	45.453	ug/l	98
95) Naphthalene	15.238	128	379305	54.277	ug/l	99
96) 1,2,3-Trichlorobenzene	15.427	180	136244	51.107	ug/l	98

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

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