

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053123\
 Data File : VY013953.D
 Acq On : 31 May 2023 22:02
 Operator : KP/MD
 Sample : 02852-17MSD
 Misc : 6.69g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-32-G3-SO-69.5-051823MSD

Quant Time: Jun 01 03:32:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 06/01/2023
 Supervised By :Mahesh Dadoda 06/01/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	156394	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	259963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	247007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	114232	63.135	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.280%			
35) Dibromofluoromethane	7.728	113	90526	53.921	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.840%			
50) Toluene-d8	10.185	98	311111	48.757	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.520%			
62) 4-Bromofluorobenzene	12.483	95	112780	53.174	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	76291	53.255	ug/l	98
3) Chloromethane	2.113	50	89623	51.353	ug/l	100
4) Vinyl Chloride	2.253	62	90141	50.506	ug/l	97
5) Bromomethane	2.656	94	75886	53.505	ug/l	96
6) Chloroethane	2.796	64	58323	50.149	ug/l	97
7) Trichlorofluoromethane	3.131	101	150990	50.267	ug/l	100
8) Diethyl Ether	3.534	74	55658	60.411	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.906	101	79915	49.078	ug/l	100
10) Methyl Iodide	4.095	142	88188	45.619	ug/l	96
11) Tert butyl alcohol	4.985	59	53585	386.598	ug/l	97
12) 1,1-Dichloroethene	3.881	96	77298	50.529	ug/l	99
13) Acrolein	3.741	56	63751	305.773	ug/l	98
14) Allyl chloride	4.491	41	117658	42.128	ug/l	96
15) Acrylonitrile	5.174	53	171914	363.924	ug/l	98
16) Acetone	3.960	43	148792	277.077	ug/l	100
17) Carbon Disulfide	4.204	76	244996	53.653	ug/l	98
18) Methyl Acetate	4.491	43	132897	71.334	ug/l	99
19) Methyl tert-butyl Ether	5.229	73	256723	61.493	ug/l	97
20) Methylene Chloride	4.723	84	119553	63.473	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	84454	50.786	ug/l	95
22) Diisopropyl ether	6.131	45	305569	56.667	ug/l	98
23) Vinyl Acetate	6.070	43	987894	314.543	ug/l	99
24) 1,1-Dichloroethane	6.027	63	162192	51.522	ug/l	100
25) 2-Butanone	6.997	43	218092	332.826	ug/l	99
26) 2,2-Dichloropropane	6.984	77	133416	47.050	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	97714	52.306	ug/l	99
28) Bromochloromethane	7.344	49	47475	51.380	ug/l	99
29) Tetrahydrofuran	7.356	42	147571	377.199	ug/l	98
30) Chloroform	7.515	83	177334	55.563	ug/l	100
31) Cyclohexane	7.795	56	120133	43.215	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	149272	51.268	ug/l	98
36) 1,1-Dichloropropene	7.923	75	118434	46.316	ug/l	99
37) Ethyl Acetate	7.082	43	105950	67.925	ug/l	99
38) Carbon Tetrachloride	7.905	117	130965	45.036	ug/l	97
39) Methylcyclohexane	9.185	83	107580	35.924	ug/l	97
40) Benzene	8.167	78	357788	48.715	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	55968m	65.763	ug/l	
42) 1,2-Dichloroethane	8.240	62	138986	57.797	ug/l	100
43) Isopropyl Acetate	8.277	43	177541	62.462	ug/l	100
44) Trichloroethene	8.947	130	93712	47.360	ug/l	100
45) 1,2-Dichloropropane	9.222	63	96176	51.117	ug/l	100
46) Dibromomethane	9.307	93	62681	58.170	ug/l	99
47) Bromodichloromethane	9.502	83	133128	50.697	ug/l	99
48) Methyl methacrylate	9.295	41	81444	61.019	ug/l	92
49) 1,4-Dioxane	9.313	88	17609	1390.497	ug/l #	95
51) 4-Methyl-2-Pentanone	10.075	43	513856	339.231	ug/l	100
52) Toluene	10.246	92	216882	48.431	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	133256	49.852	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	137255	45.835	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	83119	57.337	ug/l	98
56) Ethyl methacrylate	10.514	69	118413	61.192	ug/l	98
57) 1,3-Dichloropropane	10.795	76	142570	57.746	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	151491	245.348	ug/l	99
59) 2-Hexanone	10.837	43	362601	336.528	ug/l	99
60) Dibromochloromethane	10.990	129	97373	53.100	ug/l	99
61) 1,2-Dibromoethane	11.093	107	82784	60.030	ug/l	97
64) Tetrachloroethene	10.721	164	82500	45.141	ug/l	96
65) Chlorobenzene	11.520	112	234805	45.356	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	96509	48.301	ug/l	100
67) Ethyl Benzene	11.593	91	403314	43.291	ug/l	99
68) m/p-Xylenes	11.703	106	311887	88.462	ug/l	99
69) o-Xylene	12.032	106	152112	45.802	ug/l	99
70) Styrene	12.044	104	267563	47.562	ug/l	99
71) Bromoform	12.209	173	70260	53.801	ug/l #	96
73) Isopropylbenzene	12.331	105	372082	41.512	ug/l	100
74) N-amyl acetate	12.142	43	156228	57.973	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	111381	60.028	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	89580m	63.085	ug/l	
77) Bromobenzene	12.611	156	105329	47.892	ug/l	98
78) n-propylbenzene	12.672	91	446768	40.347	ug/l	99
79) 2-Chlorotoluene	12.758	91	268266	43.372	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	310387	41.952	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	30728	46.973	ug/l	99
82) 4-Chlorotoluene	12.855	91	283518	44.349	ug/l	98
83) tert-Butylbenzene	13.075	119	243401	37.772	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	312003	42.960	ug/l	100
85) sec-Butylbenzene	13.258	105	337089	35.215	ug/l	99
86) p-Isopropyltoluene	13.373	119	281579	35.590	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	186312	43.861	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	188160	44.493	ug/l	99
89) n-Butylbenzene	13.697	91	234810	30.949	ug/l	99
90) Hexachloroethane	13.965	117	55160	33.957	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	179403	47.523	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	20839	64.105	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	85838	36.678	ug/l	98
94) Hexachlorobutadiene	15.111	225	26232	17.777	ug/l	98
95) Naphthalene	15.239	128	244012	47.706	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	81322	39.074	ug/l	98

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

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