

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
 Data File : VY013887.D
 Acq On : 25 May 2023 20:40
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/26/2023
 Supervised By :Mahesh Dadoda 05/26/2023

Quant Time: May 26 04:36:06 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

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	227441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	355754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	324565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	160056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	134589	51.150	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.300%			
35) Dibromofluoromethane	7.722	113	114415	49.800	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.600%			
50) Toluene-d8	10.185	98	418390	47.915	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.820%			
62) 4-Bromofluorobenzene	12.483	95	147572	50.843	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	114192	54.812	ug/l	96
3) Chloromethane	2.113	50	136021	53.592	ug/l	100
4) Vinyl Chloride	2.253	62	135229	52.100	ug/l	98
5) Bromomethane	2.662	94	108510	52.608	ug/l	98
6) Chloroethane	2.802	64	87285	51.608	ug/l	99
7) Trichlorofluoromethane	3.137	101	225624	51.650	ug/l	98
8) Diethyl Ether	3.534	74	72135	53.837	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	121034	51.111	ug/l	98
10) Methyl Iodide	4.101	142	136031	48.387	ug/l	97
11) Tert butyl alcohol	4.985	59	50568	250.867	ug/l #	87
12) 1,1-Dichloroethene	3.881	96	115262	51.809	ug/l	97
13) Acrolein	3.741	56	75577	249.260	ug/l	97
14) Allyl chloride	4.491	41	203453	50.092	ug/l	99
15) Acrylonitrile	5.174	53	186645	271.686	ug/l	98
16) Acetone	3.960	43	168748	216.078	ug/l	99
17) Carbon Disulfide	4.204	76	351481	52.928	ug/l	100
18) Methyl Acetate	4.485	43	139937	51.649	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	326246	53.735	ug/l	99
20) Methylene Chloride	4.723	84	176208	64.365	ug/l	99
21) trans-1,2-Dichloroethene	5.235	96	127064	52.541	ug/l	95
22) Diisopropyl ether	6.125	45	427226	54.479	ug/l	99
23) Vinyl Acetate	6.070	43	1263176	276.557	ug/l	99
24) 1,1-Dichloroethane	6.027	63	240033	52.430	ug/l	99
25) 2-Butanone	6.997	43	238589	250.368	ug/l	98
26) 2,2-Dichloropropane	6.990	77	200795	48.692	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	145202	53.447	ug/l	99
28) Bromochloromethane	7.344	49	62216	46.300	ug/l	100
29) Tetrahydrofuran	7.356	42	157599	276.997	ug/l	99
30) Chloroform	7.515	83	252356	54.369	ug/l	100
31) Cyclohexane	7.795	56	198858	49.189	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	221475	52.305	ug/l	98
36) 1,1-Dichloropropene	7.923	75	180082	51.461	ug/l	99
37) Ethyl Acetate	7.082	43	113314	53.085	ug/l	98
38) Carbon Tetrachloride	7.911	117	205232	51.571	ug/l	99
39) Methylcyclohexane	9.191	83	204753	49.962	ug/l	98
40) Benzene	8.167	78	530140	52.746	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	54762	47.020	ug/l	96
42) 1,2-Dichloroethane	8.240	62	180117	54.733	ug/l	99
43) Isopropyl Acetate	8.277	43	202928	52.170	ug/l	98
44) Trichloroethene	8.947	130	138451	51.130	ug/l	97
45) 1,2-Dichloropropane	9.222	63	135627	52.675	ug/l	98
46) Dibromomethane	9.307	93	80090	54.313	ug/l	99
47) Bromodichloromethane	9.502	83	193081	53.729	ug/l	99
48) Methyl methacrylate	9.295	41	95586	52.332	ug/l	95
49) 1,4-Dioxane	9.319	88	19101	1102.181	ug/l #	98
51) 4-Methyl-2-Pentanone	10.075	43	563465	271.821	ug/l	99
52) Toluene	10.246	92	330049	53.857	ug/l	99
53) t-1,3-Dichloropropene	10.472	75	194674	53.219	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	214624	52.373	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	108408	54.646	ug/l	97
56) Ethyl methacrylate	10.514	69	146005	55.134	ug/l	100
57) 1,3-Dichloropropane	10.795	76	182114	53.902	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	198532	234.956	ug/l	99
59) 2-Hexanone	10.831	43	387956	263.110	ug/l	100
60) Dibromochloromethane	10.990	129	135371	53.944	ug/l	100
61) 1,2-Dibromoethane	11.093	107	104071	55.146	ug/l	100
64) Tetrachloroethene	10.721	164	123091	51.257	ug/l	97
65) Chlorobenzene	11.520	112	349789	51.421	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	138275	52.667	ug/l	99
67) Ethyl Benzene	11.593	91	637490	52.076	ug/l	98
68) m/p-Xylenes	11.703	106	483685	104.407	ug/l	100
69) o-Xylene	12.032	106	230244	52.762	ug/l	99
70) Styrene	12.044	104	396685	53.664	ug/l	99
71) Bromoform	12.209	173	89548	52.185	ug/l #	98
73) Isopropylbenzene	12.331	105	606406	50.903	ug/l	100
74) N-amyl acetate	12.142	43	183502	51.234	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	127549	51.721	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	100526m	53.265	ug/l	
77) Bromobenzene	12.611	156	151889	51.963	ug/l	97
78) n-propylbenzene	12.672	91	752930	51.160	ug/l	99
79) 2-Chlorotoluene	12.758	91	417610	50.800	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	509728	51.836	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	43152	49.632	ug/l	96
82) 4-Chlorotoluene	12.855	91	433575	51.029	ug/l	99
83) tert-Butylbenzene	13.075	119	434036	50.678	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	510989	52.938	ug/l	99
85) sec-Butylbenzene	13.258	105	645147	50.710	ug/l	100
86) p-Isopropyltoluene	13.373	119	537778	51.143	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	286078	50.672	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	279619	49.748	ug/l	99
89) n-Butylbenzene	13.697	91	508327	50.411	ug/l	100
90) Hexachloroethane	13.965	117	108740	50.367	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	258510	51.523	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	21616	50.031	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	154717	49.741	ug/l	99
94) Hexachlorobutadiene	15.111	225	94692	48.283	ug/l	99
95) Naphthalene	15.239	128	319436	47.057	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	139471	50.421	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

