

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
 Data File : VY013593.D
 Acq On : 04 May 2023 11:52
 Operator : KP/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 :Krupa Patel 05/05/2023
 Supervised By :Mahesh Dadoda 05/05/2023

Quant Time: May 05 00:58:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	250488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	378178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	337645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	170159	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	136472	49.700	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.400%
35) Dibromofluoromethane	7.716	113	123363	51.864	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.720%
50) Toluene-d8	10.179	98	416043	49.169	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.340%
62) 4-Bromofluorobenzene	12.483	95	149428	52.383	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.760%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	121280	50.929	ug/l	97
3) Chloromethane	2.113	50	142964	44.788	ug/l	96
4) Vinyl Chloride	2.253	62	140556	44.224	ug/l	99
5) Bromomethane	2.656	94	102542	40.487	ug/l	95
6) Chloroethane	2.796	64	89728	40.866	ug/l	95
7) Trichlorofluoromethane	3.131	101	234465	48.697	ug/l	100
8) Diethyl Ether	3.534	74	75322	45.940	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.905	101	126507	46.842	ug/l	98
10) Methyl Iodide	4.094	142	155877	45.954	ug/l	98
11) Tert butyl alcohol	4.978	59	64711	209.336	ug/l #	95
12) 1,1-Dichloroethene	3.875	96	118437	45.495	ug/l	90
13) Acrolein	3.729	56	48814	201.749	ug/l	97
14) Allyl chloride	4.479	41	219704	45.483	ug/l	97
15) Acrylonitrile	5.161	53	216585	235.871	ug/l	99
16) Acetone	3.954	43	267748	247.602	ug/l	96
17) Carbon Disulfide	4.198	76	353879	41.848	ug/l	99
18) Methyl Acetate	4.485	43	159139	44.558	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	358841	47.746	ug/l	99
20) Methylene Chloride	4.716	84	157257	45.730	ug/l	86
21) trans-1,2-Dichloroethene	5.216	96	133229	46.807	ug/l	98
22) Diisopropyl ether	6.118	45	458359	48.548	ug/l	96
23) Vinyl Acetate	6.058	43	1401765	262.225	ug/l	97
24) 1,1-Dichloroethane	6.021	63	251249	47.748	ug/l	98
25) 2-Butanone	6.990	43	324030	236.276	ug/l	97
26) 2,2-Dichloropropane	6.978	77	224621	49.539	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	152848	48.602	ug/l	96
28) Bromochloromethane	7.338	49	90841	48.649	ug/l	86
29) Tetrahydrofuran	7.350	42	189497	221.979	ug/l	94
30) Chloroform	7.508	83	263446	50.355	ug/l	99
31) Cyclohexane	7.789	56	210369	42.790	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	234499	50.230	ug/l	99
36) 1,1-Dichloropropene	7.917	75	191763	48.578	ug/l	97
37) Ethyl Acetate	7.076	43	134094	45.139	ug/l	97
38) Carbon Tetrachloride	7.905	117	214495	51.842	ug/l	96
39) Methylcyclohexane	9.185	83	218797	47.015	ug/l	93
40) Benzene	8.161	78	550359	49.494	ug/l	99

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41) Methacrylonitrile	7.313	41	74542	53.848	ug/l	89
42) 1,2-Dichloroethane	8.234	62	188120	51.746	ug/l	98
43) Isopropyl Acetate	8.271	43	234155	46.698	ug/l	98
44) Trichloroethene	8.941	130	145960	49.346	ug/l	97
45) 1,2-Dichloropropane	9.216	63	143888	49.490	ug/l	98
46) Dibromomethane	9.307	93	86288	49.601	ug/l	96
47) Bromodichloromethane	9.496	83	203279	52.221	ug/l	99
48) Methyl methacrylate	9.295	41	108937	47.305	ug/l	96
49) 1,4-Dioxane	9.313	88	23771	956.750	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	668097	239.107	ug/l	96
52) Toluene	10.246	92	340421	50.873	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	211592	51.360	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	231683	49.978	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	115939	50.326	ug/l	98
56) Ethyl methacrylate	10.514	69	163312	51.097	ug/l	92
57) 1,3-Dichloropropane	10.788	76	196476	50.357	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	294266	245.528	ug/l	95
59) 2-Hexanone	10.831	43	502418	247.361	ug/l	97
60) Dibromochloromethane	10.983	129	145047	51.852	ug/l	99
61) 1,2-Dibromoethane	11.087	107	111745	49.336	ug/l	99
64) Tetrachloroethene	10.721	164	126627	49.320	ug/l	96
65) Chlorobenzene	11.514	112	367904	50.020	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	144508	52.533	ug/l	99
67) Ethyl Benzene	11.593	91	658198	50.961	ug/l	99
68) m/p-Xylenes	11.703	106	502024	102.246	ug/l	96
69) o-Xylene	12.032	106	238162	51.288	ug/l	97
70) Styrene	12.044	104	406440	52.348	ug/l	99
71) Bromoform	12.209	173	100257	52.033	ug/l #	100
73) Isopropylbenzene	12.331	105	636065	49.421	ug/l	98
74) N-amyl acetate	12.142	43	208531	45.531	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	146747	46.648	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	115716m	50.425	ug/l	
77) Bromobenzene	12.611	156	160423	51.442	ug/l	96
78) n-propylbenzene	12.672	91	782731	49.376	ug/l	97
79) 2-Chlorotoluene	12.758	91	437206	49.387	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	526580	50.128	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	51686	46.072	ug/l	95
82) 4-Chlorotoluene	12.855	91	453213	49.119	ug/l	99
83) tert-Butylbenzene	13.075	119	452796	49.753	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	527241	51.625	ug/l	100
85) sec-Butylbenzene	13.257	105	676819	49.552	ug/l	100
86) p-Isopropyltoluene	13.367	119	568610	51.767	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	300646	50.603	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	300973	50.149	ug/l	99
89) n-Butylbenzene	13.696	91	541986	50.556	ug/l	98
90) Hexachloroethane	13.965	117	112549	48.686	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	272979	50.880	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	26289	47.317	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	175411	54.838	ug/l	98
94) Hexachlorobutadiene	15.111	225	107418	57.702	ug/l	99
95) Naphthalene	15.239	128	362897	52.288	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	159097	55.804	ug/l	99

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

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