

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050223\
 Data File : VY013545.D
 Acq On : 02 May 2023 09:56
 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 05/03/2023
 Supervised By :Mahesh Dadoda 05/03/2023

Quant Time: May 03 01:31:23 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	297444	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	435262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	393685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	199651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	164899	50.573	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.140%			
35) Dibromofluoromethane	7.715	113	147607	53.918	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.840%			
50) Toluene-d8	10.178	98	510195	52.388	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.780%			
62) 4-Bromofluorobenzene	12.483	95	184263	56.123	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	148369	52.469	ug/l	99
3) Chloromethane	2.113	50	163842	43.225	ug/l	98
4) Vinyl Chloride	2.253	62	163986	43.451	ug/l	100
5) Bromomethane	2.655	94	122080	40.592	ug/l	96
6) Chloroethane	2.796	64	105509	40.467	ug/l	98
7) Trichlorofluoromethane	3.131	101	283066	49.510	ug/l	99
8) Diethyl Ether	3.533	74	90418	46.441	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.899	101	152541	47.566	ug/l	99
10) Methyl Iodide	4.094	142	193238	47.975	ug/l	98
11) Tert butyl alcohol	4.978	59	88262	240.352	ug/l #	86
12) 1,1-Dichloroethene	3.875	96	145997	47.229	ug/l	95
13) Acrolein	3.728	56	57407	199.720	ug/l	92
14) Allyl chloride	4.478	41	263716	45.976	ug/l	98
15) Acrylonitrile	5.161	53	274834	252.057	ug/l	99
16) Acetone	3.954	43	356067	277.295	ug/l	97
17) Carbon Disulfide	4.198	76	451531	44.966	ug/l	100
18) Methyl Acetate	4.478	43	203709	48.033	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	437588	49.032	ug/l	100
20) Methylene Chloride	4.716	84	180936	44.010	ug/l	86
21) trans-1,2-Dichloroethene	5.222	96	165156	48.864	ug/l	97
22) Diisopropyl ether	6.118	45	547604	48.844	ug/l	97
23) Vinyl Acetate	6.057	43	1748654	275.476	ug/l	97
24) 1,1-Dichloroethane	6.021	63	301022	48.176	ug/l	99
25) 2-Butanone	6.990	43	433657	266.294	ug/l	94
26) 2,2-Dichloropropane	6.978	77	275416	51.153	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	186258	49.876	ug/l	97
28) Bromochloromethane	7.337	49	106364	47.970	ug/l	86
29) Tetrahydrofuran	7.350	42	253228	249.806	ug/l	93
30) Chloroform	7.508	83	315971	50.861	ug/l	96
31) Cyclohexane	7.782	56	260192	44.569	ug/l	93
32) 1,1,1-Trichloroethane	7.703	97	282129	50.892	ug/l	98
36) 1,1-Dichloropropene	7.917	75	233783	51.455	ug/l	98
37) Ethyl Acetate	7.075	43	176682	51.675	ug/l	97
38) Carbon Tetrachloride	7.898	117	264170	55.474	ug/l	95
39) Methylcyclohexane	9.185	83	272990	50.967	ug/l	97
40) Benzene	8.160	78	673789	52.647	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	82451m	51.750	ug/l	
42) 1,2-Dichloroethane	8.240	62	231684	55.371	ug/l	97
43) Isopropyl Acetate	8.270	43	298571	51.736	ug/l	98
44) Trichloroethene	8.941	130	177815	52.232	ug/l	97
45) 1,2-Dichloropropane	9.215	63	174498	52.146	ug/l	99
46) Dibromomethane	9.307	93	106407	53.144	ug/l	97
47) Bromodichloromethane	9.496	83	245863	54.878	ug/l	99
48) Methyl methacrylate	9.294	41	139181	52.512	ug/l	95
49) 1,4-Dioxane	9.313	88	31918	1116.175	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	881254	274.031	ug/l	97
52) Toluene	10.245	92	423474	54.985	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	259085	54.641	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	282703	52.986	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	142891	53.890	ug/l	97
56) Ethyl methacrylate	10.508	69	207435	56.390	ug/l	91
57) 1,3-Dichloropropane	10.794	76	244536	54.455	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	341376	247.479	ug/l	96
59) 2-Hexanone	10.831	43	679207	290.545	ug/l	96
60) Dibromochloromethane	10.983	129	179674	55.807	ug/l	100
61) 1,2-Dibromoethane	11.087	107	138994	53.318	ug/l	98
64) Tetrachloroethene	10.721	164	156004	52.112	ug/l	98
65) Chlorobenzene	11.520	112	448006	52.240	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	175024	54.569	ug/l	99
67) Ethyl Benzene	11.593	91	803523	53.357	ug/l	99
68) m/p-Xylenes	11.703	106	618939	108.114	ug/l	97
69) o-Xylene	12.032	106	288791	53.339	ug/l	97
70) Styrene	12.044	104	495320	54.714	ug/l	99
71) Bromoform	12.209	173	125649	55.928	ug/l #	100
73) Isopropylbenzene	12.330	105	765517	50.694	ug/l	99
74) N-amyl acetate	12.148	43	272206	50.654	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.586	83	185015	50.125	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	148394m	55.113	ug/l	
77) Bromobenzene	12.611	156	191855	52.434	ug/l	94
78) n-propylbenzene	12.672	91	948664	51.003	ug/l	98
79) 2-Chlorotoluene	12.757	91	528048	50.838	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	639888	51.917	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	67033	50.926	ug/l	95
82) 4-Chlorotoluene	12.855	91	548613	50.675	ug/l	99
83) tert-Butylbenzene	13.080	119	541912	50.749	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	633463	52.863	ug/l	99
85) sec-Butylbenzene	13.257	105	819242	51.119	ug/l	99
86) p-Isopropyltoluene	13.373	119	680526	52.804	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	365919	52.491	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	360796	51.236	ug/l	99
89) n-Butylbenzene	13.696	91	653461	51.950	ug/l	98
90) Hexachloroethane	13.964	117	135534	49.968	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	333467	52.973	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	33731	51.744	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	210966	56.210	ug/l	98
94) Hexachlorobutadiene	15.117	225	126882	58.089	ug/l	99
95) Naphthalene	15.238	128	454899	55.862	ug/l	99
96) 1,2,3-Trichlorobenzene	15.427	180	189671	56.700	ug/l	98

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

