

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013283.D
 Acq On : 13 Apr 2023 09:41
 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 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023

Quant Time: Apr 14 02:57:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	258267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	397614	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	354408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	177173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	158215	50.975	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.960%			
35) Dibromofluoromethane	7.716	113	135899	52.794	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.580%			
50) Toluene-d8	10.179	98	514496	53.698	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.400%			
62) 4-Bromofluorobenzene	12.477	95	168141	54.011	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.020%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	120055	51.649	ug/l	99
3) Chloromethane	2.113	50	131261	45.074	ug/l	100
4) Vinyl Chloride	2.247	62	130772	47.364	ug/l	98
5) Bromomethane	2.650	94	100947	47.679	ug/l	92
6) Chloroethane	2.790	64	89878	48.270	ug/l	95
7) Trichlorofluoromethane	3.125	101	208659	48.556	ug/l	98
8) Diethyl Ether	3.527	74	78728	50.425	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	125924	49.866	ug/l	98
10) Methyl Iodide	4.088	142	158219	51.079	ug/l	97
11) Tert butyl alcohol	4.972	59	81066	212.894	ug/l	98
12) 1,1-Dichloroethene	3.869	96	122972	50.600	ug/l	97
13) Acrolein	3.729	56	95996	251.773	ug/l	100
14) Allyl chloride	4.472	41	236365	50.914	ug/l	95
15) Acrylonitrile	5.161	53	238240	265.547	ug/l	98
16) Acetone	3.942	43	284348	266.452	ug/l	98
17) Carbon Disulfide	4.192	76	401283	50.154	ug/l	99
18) Methyl Acetate	4.472	43	182640	52.917	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	380164	52.220	ug/l	98
20) Methylene Chloride	4.710	84	145852	51.908	ug/l	93
21) trans-1,2-Dichloroethene	5.210	96	141093	50.858	ug/l	99
22) Diisopropyl ether	6.112	45	488684	53.413	ug/l	93
23) Vinyl Acetate	6.051	43	1577789	272.796	ug/l	97
24) 1,1-Dichloroethane	6.009	63	259198	50.717	ug/l	98
25) 2-Butanone	6.984	43	381544	279.233	ug/l	95
26) 2,2-Dichloropropane	6.972	77	226982	49.504	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	154824	51.324	ug/l	96
28) Bromochloromethane	7.326	49	102938	50.538	ug/l	94
29) Tetrahydrofuran	7.344	42	234780	282.905	ug/l	96
30) Chloroform	7.496	83	261915	50.643	ug/l	98
31) Cyclohexane	7.777	56	233630	49.782	ug/l	97
32) 1,1,1-Trichloroethane	7.697	97	232140	49.616	ug/l	98
36) 1,1-Dichloropropene	7.911	75	202928	52.038	ug/l	99
37) Ethyl Acetate	7.069	43	170273	54.168	ug/l #	95
38) Carbon Tetrachloride	7.899	117	214948	49.849	ug/l	98
39) Methylcyclohexane	9.179	83	235731	51.999	ug/l	93
40) Benzene	8.155	78	575282	50.970	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	71126m	54.539	ug/l	
42) 1,2-Dichloroethane	8.234	62	190629	49.816	ug/l	98
43) Isopropyl Acetate	8.270	43	277896	53.224	ug/l	96
44) Trichloroethene	8.935	130	147229	50.638	ug/l	96
45) 1,2-Dichloropropane	9.209	63	154871	52.867	ug/l	98
46) Dibromomethane	9.301	93	90421	51.286	ug/l	97
47) Bromodichloromethane	9.496	83	203491	50.487	ug/l	99
48) Methyl methacrylate	9.289	41	131462	54.815	ug/l	96
49) 1,4-Dioxane	9.307	88	26110	1093.034	ug/l #	75
51) 4-Methyl-2-Pentanone	10.069	43	788371	277.446	ug/l	97
52) Toluene	10.240	92	350043	51.361	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	221013	52.361	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	239072	51.654	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	118838	51.120	ug/l	98
56) Ethyl methacrylate	10.508	69	176653	55.499	ug/l	94
57) 1,3-Dichloropropane	10.788	76	204117	51.625	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	357419	268.927	ug/l	98
59) 2-Hexanone	10.831	43	610480	295.472	ug/l	97
60) Dibromochloromethane	10.983	129	147673	50.662	ug/l	100
61) 1,2-Dibromoethane	11.087	107	118770	52.467	ug/l	100
64) Tetrachloroethene	10.715	164	123590	49.430	ug/l	96
65) Chlorobenzene	11.514	112	372961	50.306	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	140496	50.498	ug/l	100
67) Ethyl Benzene	11.593	91	670104	51.896	ug/l	100
68) m/p-Xylenes	11.703	106	513108	103.858	ug/l	96
69) o-Xylene	12.026	106	241092	52.691	ug/l	100
70) Styrene	12.044	104	408987	52.922	ug/l	97
71) Bromoform	12.209	173	103239	53.562	ug/l #	98
73) Isopropylbenzene	12.331	105	636277	52.356	ug/l	100
74) N-amyl acetate	12.142	43	238377	54.980	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	158460	52.781	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	112772m	51.081	ug/l	
77) Bromobenzene	12.605	156	155144	51.050	ug/l	98
78) n-propylbenzene	12.666	91	787141	52.444	ug/l	100
79) 2-Chlorotoluene	12.757	91	437683	51.805	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	528874	51.955	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	58505	55.001	ug/l	98
82) 4-Chlorotoluene	12.855	91	452469	50.800	ug/l	99
83) tert-Butylbenzene	13.074	119	456987	52.319	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	520092	52.497	ug/l	99
85) sec-Butylbenzene	13.251	105	679767	52.041	ug/l	99
86) p-Isopropyltoluene	13.367	119	561158	52.354	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	295020	50.360	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	292884	49.473	ug/l	98
89) n-Butylbenzene	13.696	91	536113	52.295	ug/l	98
90) Hexachloroethane	13.958	117	111333	49.816	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	266941	50.075	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	29751	54.570	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	160486	50.653	ug/l	97
94) Hexachlorobutadiene	15.111	225	93713	49.950	ug/l	99
95) Naphthalene	15.233	128	371972	48.015	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	147906	51.240	ug/l	99

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

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