

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
 Data File : VY013328.D
 Acq On : 14 Apr 2023 18:51
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/17/2023
 Supervised By : Mahesh Dadoda 04/17/2023

Quant Time: Apr 17 02:16:21 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	280773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	426449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	379110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	186247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	154641	45.830	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.660%		
35) Dibromofluoromethane	7.710	113	134847	48.843	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.680%		
50) Toluene-d8	10.173	98	489501	47.635	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.260%		
62) 4-Bromofluorobenzene	12.477	95	165055	49.434	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.860%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	120442	47.662	ug/l	100
3) Chloromethane	2.101	50	127555	40.291	ug/l	97
4) Vinyl Chloride	2.241	62	129751	43.228	ug/l	94
5) Bromomethane	2.644	94	88861	38.606	ug/l	94
6) Chloroethane	2.784	64	77869	38.468	ug/l	97
7) Trichlorofluoromethane	3.113	101	212606	45.509	ug/l	98
8) Diethyl Ether	3.522	74	79674	46.941	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.887	101	125168	45.594	ug/l	93
10) Methyl Iodide	4.076	142	169730	50.403	ug/l	96
11) Tert butyl alcohol	4.972	59	76474	176.419	ug/l	98
12) 1,1-Dichloroethene	3.863	96	123512	46.749	ug/l	94
13) Acrolein	3.723	56	74827	180.521	ug/l	97
14) Allyl chloride	4.466	41	189444	37.536	ug/l	89
15) Acrylonitrile	5.155	53	211646	216.995	ug/l	99
16) Acetone	3.942	43	183723	158.360	ug/l	99
17) Carbon Disulfide	4.180	76	373774	42.971	ug/l	99
18) Methyl Acetate	4.466	43	152713	40.699	ug/l	91
19) Methyl tert-butyl Ether	5.210	73	384479	48.580	ug/l	99
20) Methylene Chloride	4.704	84	150877	49.166	ug/l	91
21) trans-1,2-Dichloroethene	5.210	96	139382	46.214	ug/l	93
22) Diisopropyl ether	6.106	45	379782	38.183	ug/l #	87
23) Vinyl Acetate	6.052	43	1261147	200.571	ug/l	97
24) 1,1-Dichloroethane	6.003	63	235372	42.363	ug/l	100
25) 2-Butanone	6.978	43	268712	180.894	ug/l	95
26) 2,2-Dichloropropane	6.972	77	209400	42.008	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	156538	47.732	ug/l	94
28) Bromochloromethane	7.326	49	85794	38.745	ug/l #	75
29) Tetrahydrofuran	7.344	42	191178	211.900	ug/l	90
30) Chloroform	7.496	83	260208	46.280	ug/l	97
31) Cyclohexane	7.777	56	192498	37.730	ug/l	86
32) 1,1,1-Trichloroethane	7.698	97	240929	47.367	ug/l	98
36) 1,1-Dichloropropene	7.911	75	184098	44.017	ug/l	97
37) Ethyl Acetate	7.064	43	142432	42.247	ug/l	98
38) Carbon Tetrachloride	7.893	117	230419	49.823	ug/l	99
39) Methylcyclohexane	9.179	83	237979	48.945	ug/l	98
40) Benzene	8.155	78	538307	44.470	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.295	41	64174	45.881	ug/l #	100
42) 1,2-Dichloroethane	8.228	62	195920	47.736	ug/l	97
43) Isopropyl Acetate	8.265	43	233664	41.727	ug/l	97
44) Trichloroethene	8.935	130	163292	52.365	ug/l	100
45) 1,2-Dichloropropane	9.210	63	153940	48.996	ug/l	98
46) Dibromomethane	9.295	93	98670	52.180	ug/l	97
47) Bromodichloromethane	9.490	83	216962	50.190	ug/l #	97
48) Methyl methacrylate	9.289	41	122311	47.551	ug/l	94
49) 1,4-Dioxane	9.307	88	31198	1217.722	ug/l #	91
51) 4-Methyl-2-Pentanone	10.063	43	652541	214.116	ug/l	97
52) Toluene	10.240	92	348130	47.627	ug/l	100
53) t-1,3-Dichloropropene	10.459	75	217914	48.136	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	230313	46.397	ug/l	99
55) 1,1,2-Trichloroethane	10.636	97	125696	50.414	ug/l	97
56) Ethyl methacrylate	10.502	69	174203	51.028	ug/l	96
57) 1,3-Dichloropropane	10.782	76	200938	47.385	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	323332	226.829	ug/l	94
59) 2-Hexanone	10.825	43	472336	213.152	ug/l	97
60) Dibromochloromethane	10.977	129	166129	53.140	ug/l	99
61) 1,2-Dibromoethane	11.081	107	128016	52.728	ug/l	100
64) Tetrachloroethene	10.715	164	148180	55.403	ug/l	97
65) Chlorobenzene	11.514	112	390948	49.296	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.581	131	156167	52.473	ug/l	98
67) Ethyl Benzene	11.587	91	667013	48.291	ug/l	98
68) m/p-Xylenes	11.697	106	531079	100.491	ug/l	99
69) o-Xylene	12.026	106	259929	53.106	ug/l	98
70) Styrene	12.038	104	446216	53.977	ug/l	99
71) Bromoform	12.203	173	108996	52.865	ug/l #	98
73) Isopropylbenzene	12.325	105	637750	49.921	ug/l	100
74) N-amyl acetate	12.136	43	235741	51.723	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.575	83	163741	51.883	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	126495m	54.505	ug/l	
77) Bromobenzene	12.605	156	163160	51.072	ug/l	98
78) n-propylbenzene	12.666	91	779472	49.403	ug/l	99
79) 2-Chlorotoluene	12.752	91	441503	49.711	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	543944	50.832	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	56573	50.594	ug/l	97
82) 4-Chlorotoluene	12.849	91	454191	48.509	ug/l	100
83) tert-Butylbenzene	13.069	119	467568	50.922	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	537117	51.574	ug/l	100
85) sec-Butylbenzene	13.245	105	688648	50.152	ug/l	100
86) p-Isopropyltoluene	13.361	119	582336	51.683	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	309179	50.205	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	313366	50.354	ug/l	99
89) n-Butylbenzene	13.690	91	536128	49.749	ug/l	98
90) Hexachloroethane	13.959	117	115653	49.228	ug/l	96
91) 1,2-Dichlorobenzene	13.733	146	288147	51.420	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.349	75	32726	57.102	ug/l	98
93) 1,2,4-Trichlorobenzene	15.001	180	191615	57.532	ug/l	98
94) Hexachlorobutadiene	15.105	225	111337	56.453	ug/l	99
95) Naphthalene	15.233	128	455586	55.414	ug/l	100
96) 1,2,3-Trichlorobenzene	15.416	180	178686	58.888	ug/l	99

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

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