

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031323\
 Data File : VY012930.D
 Acq On : 13 Mar 2023 17:06
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/14/2023
 Supervised By :Mahesh Dadoda 03/15/2023

Quant Time: Mar 14 01:27:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	98436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	145289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	134007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	70426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	44949	45.991	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.980%		
35) Dibromofluoromethane	7.716	113	43531	49.647	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.300%		
50) Toluene-d8	10.179	98	148144	46.216	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.440%		
62) 4-Bromofluorobenzene	12.483	95	54504	50.377	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.760%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	45073	46.456	ug/l	95
3) Chloromethane	2.113	50	50062	43.160	ug/l	97
4) Vinyl Chloride	2.253	62	50304	47.295	ug/l	100
5) Bromomethane	2.650	94	31896	49.352	ug/l	99
6) Chloroethane	2.796	64	33067	51.911	ug/l	99
7) Trichlorofluoromethane	3.125	101	93527	52.943	ug/l	100
8) Diethyl Ether	3.528	74	32394	52.327	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	56340	53.009	ug/l	98
10) Methyl Iodide	4.095	142	72143	52.095	ug/l	98
11) Tert butyl alcohol	4.954	59	33516	302.420	ug/l	100
12) 1,1-Dichloroethene	3.875	96	52353	51.647	ug/l	97
13) Acrolein	3.735	56	30433	177.732	ug/l	100
14) Allyl chloride	4.479	41	88499	47.264	ug/l	97
15) Acrylonitrile	5.161	53	92657	284.062	ug/l	100
16) Acetone	3.942	43	113504	295.881	ug/l	95
17) Carbon Disulfide	4.192	76	161474	46.799	ug/l	98
18) Methyl Acetate	4.473	43	59277	51.889	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	148804	56.833	ug/l	98
20) Methylene Chloride	4.716	84	65048	56.238	ug/l	98
21) trans-1,2-Dichloroethene	5.216	96	57608	52.297	ug/l	96
22) Diisopropyl ether	6.119	45	180482	53.069	ug/l	94
23) Vinyl Acetate	6.058	43	583652	276.203	ug/l	98
24) 1,1-Dichloroethane	6.015	63	101162	52.201	ug/l	98
25) 2-Butanone	6.984	43	137883	290.196	ug/l	100
26) 2,2-Dichloropropane	6.978	77	91743	53.302	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	65418	55.392	ug/l	98
28) Bromochloromethane	7.332	49	36768	51.917	ug/l	95
29) Tetrahydrofuran	7.344	42	83371	290.932	ug/l	97
30) Chloroform	7.503	83	107159	55.981	ug/l	99
31) Cyclohexane	7.783	56	88297	47.173	ug/l	94
32) 1,1,1-Trichloroethane	7.698	97	94894	54.817	ug/l	100
36) 1,1-Dichloropropene	7.917	75	80044	54.476	ug/l	99
37) Ethyl Acetate	7.070	43	54242	58.570	ug/l	99
38) Carbon Tetrachloride	7.899	117	87665	57.775	ug/l	99
39) Methylcyclohexane	9.185	83	95479	54.657	ug/l	100
40) Benzene	8.161	78	233086	56.079	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	25014	50.132	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	73440	58.770	ug/l	99
43) Isopropyl Acetate	8.271	43	96156	58.195	ug/l	99
44) Trichloroethene	8.941	130	62467	57.003	ug/l	99
45) 1,2-Dichloropropane	9.216	63	58191	55.397	ug/l	99
46) Dibromomethane	9.307	93	35884	59.963	ug/l	99
47) Bromodichloromethane	9.496	83	83116	58.938	ug/l	96
48) Methyl methacrylate	9.289	41	45896	60.284	ug/l	96
49) 1,4-Dioxane	9.295	88	10378	1341.478	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	279383	311.719	ug/l	99
52) Toluene	10.246	92	145075	57.876	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	88448	59.795	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	97081	57.985	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	49851	59.816	ug/l	100
56) Ethyl methacrylate	10.508	69	69725	62.744	ug/l	98
57) 1,3-Dichloropropane	10.789	76	84376	59.441	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	168973	289.653	ug/l	99
59) 2-Hexanone	10.831	43	209031	320.900	ug/l	98
60) Dibromochloromethane	10.984	129	62078	61.191	ug/l	100
61) 1,2-Dibromoethane	11.087	107	47701	59.417	ug/l	99
64) Tetrachloroethene	10.721	164	54452	55.810	ug/l	98
65) Chlorobenzene	11.514	112	156698	55.715	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	61063	58.675	ug/l	98
67) Ethyl Benzene	11.593	91	280104	56.647	ug/l	99
68) m/p-Xylenes	11.703	106	218087	114.648	ug/l	100
69) o-Xylene	12.032	106	101986	57.446	ug/l	98
70) Styrene	12.044	104	175359	59.190	ug/l	100
71) Bromoform	12.209	173	41285	60.843	ug/l #	98
73) Isopropylbenzene	12.331	105	274858	55.069	ug/l	100
74) N-amyl acetate	12.142	43	85472	54.427	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	63412	56.518	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	39175m	46.581	ug/l	
77) Bromobenzene	12.605	156	66777	55.073	ug/l	97
78) n-propylbenzene	12.672	91	338233	54.966	ug/l	100
79) 2-Chlorotoluene	12.758	91	185201	54.152	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	227833	55.313	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	23183	57.118	ug/l	99
82) 4-Chlorotoluene	12.855	91	194709	54.999	ug/l	100
83) tert-Butylbenzene	13.075	119	201870	56.782	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	225875	56.079	ug/l	100
85) sec-Butylbenzene	13.251	105	300631	55.429	ug/l	100
86) p-Isopropyltoluene	13.367	119	248369	56.031	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	131144	56.079	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	129590	54.296	ug/l	98
89) n-Butylbenzene	13.697	91	234952	55.367	ug/l	99
90) Hexachloroethane	13.959	117	49747	53.883	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	118690	56.146	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10468	57.730	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	73486	56.460	ug/l	99
94) Hexachlorobutadiene	15.111	225	43441	54.721	ug/l	99
95) Naphthalene	15.239	128	157451	60.367	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	65737	56.788	ug/l	99

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

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