

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031523\
 Data File : VY012958.D
 Acq On : 15 Mar 2023 16:54
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/16/2023
 Supervised By :Mahesh Dadoda 03/16/2023

Quant Time: Mar 16 00:19:45 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	99326	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	151295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	136203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	70484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	44278	44.899	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.800%		
35) Dibromofluoromethane	7.722	113	44460	48.693	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.380%		
50) Toluene-d8	10.179	98	149157	44.685	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.360%		
62) 4-Bromofluorobenzene	12.483	95	54277	48.176	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	43568	44.502	ug/l	100
3) Chloromethane	2.113	50	50533	43.176	ug/l	100
4) Vinyl Chloride	2.253	62	51510	47.995	ug/l	97
5) Bromomethane	2.650	94	31631	48.504	ug/l	96
6) Chloroethane	2.796	64	32362	50.349	ug/l	98
7) Trichlorofluoromethane	3.125	101	91958	51.588	ug/l	99
8) Diethyl Ether	3.528	74	32074	51.346	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	56081	52.293	ug/l	99
10) Methyl Iodide	4.095	142	72264	51.715	ug/l	98
11) Tert butyl alcohol	4.948	59	29396	260.001	ug/l	99
12) 1,1-Dichloroethene	3.875	96	52344	51.176	ug/l	100
13) Acrolein	3.729	56	27180	157.312	ug/l	99
14) Allyl chloride	4.479	41	89795	47.526	ug/l	96
15) Acrylonitrile	5.161	53	86803	263.731	ug/l	100
16) Acetone	3.942	43	110868	286.420	ug/l	100
17) Carbon Disulfide	4.198	76	155575	44.686	ug/l	100
18) Methyl Acetate	4.472	43	55617	48.249	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	146182	55.331	ug/l	98
20) Methylene Chloride	4.716	84	64180	54.857	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	57413	51.653	ug/l	95
22) Diisopropyl ether	6.119	45	184828	53.860	ug/l	97
23) Vinyl Acetate	6.058	43	573939	269.173	ug/l	99
24) 1,1-Dichloroethane	6.015	63	104256	53.315	ug/l	99
25) 2-Butanone	6.984	43	129153	269.386	ug/l	97
26) 2,2-Dichloropropane	6.984	77	92687	53.368	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	64493	54.119	ug/l	99
28) Bromochloromethane	7.332	49	37332	52.241	ug/l	97
29) Tetrahydrofuran	7.344	42	75833	262.256	ug/l	98
30) Chloroform	7.509	83	107104	55.451	ug/l	98
31) Cyclohexane	7.789	56	88102	46.647	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	95626	54.745	ug/l	99
36) 1,1-Dichloropropene	7.917	75	80306	52.484	ug/l	100
37) Ethyl Acetate	7.076	43	50477	52.341	ug/l	100
38) Carbon Tetrachloride	7.905	117	88415	55.956	ug/l	100
39) Methylcyclohexane	9.185	83	94257	51.815	ug/l	99
40) Benzene	8.161	78	232688	53.761	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	26337m	50.688	ug/l	
42) 1,2-Dichloroethane	8.234	62	72176	55.466	ug/l	99
43) Isopropyl Acetate	8.271	43	93217	54.177	ug/l	99
44) Trichloroethene	8.941	130	62264	54.563	ug/l	95
45) 1,2-Dichloropropane	9.216	63	59313	54.224	ug/l	98
46) Dibromomethane	9.307	93	35372	56.761	ug/l	100
47) Bromodichloromethane	9.496	83	82671	56.295	ug/l	98
48) Methyl methacrylate	9.295	41	41773	52.690	ug/l	95
49) 1,4-Dioxane	9.295	88	9726	1207.292	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	258749	277.236	ug/l	99
52) Toluene	10.246	92	145305	55.666	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	87566	56.848	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	97016	55.646	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	48539	55.929	ug/l	99
56) Ethyl methacrylate	10.508	69	66194	57.202	ug/l	100
57) 1,3-Dichloropropane	10.788	76	81718	55.283	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	169962	279.782	ug/l	100
59) 2-Hexanone	10.831	43	194335	286.496	ug/l	99
60) Dibromochloromethane	10.983	129	60914	57.660	ug/l	98
61) 1,2-Dibromoethane	11.087	107	46671	55.826	ug/l	100
64) Tetrachloroethene	10.721	164	54044	54.499	ug/l	97
65) Chlorobenzene	11.514	112	157083	54.952	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	60162	56.877	ug/l	99
67) Ethyl Benzene	11.593	91	281038	55.919	ug/l	99
68) m/p-Xylenes	11.703	106	216884	112.177	ug/l	100
69) o-Xylene	12.032	106	102205	56.641	ug/l	98
70) Styrene	12.044	104	174546	57.966	ug/l	100
71) Bromoform	12.209	173	39463	57.221	ug/l #	97
73) Isopropylbenzene	12.331	105	274834	55.019	ug/l	100
74) N-amyl acetate	12.142	43	82254	52.335	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	60087	53.511	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	38879m	46.191	ug/l	
77) Bromobenzene	12.611	156	65323	53.830	ug/l	97
78) n-propylbenzene	12.672	91	337804	54.851	ug/l	99
79) 2-Chlorotoluene	12.758	91	185774	54.275	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	229397	55.647	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	21372	52.612	ug/l	98
82) 4-Chlorotoluene	12.855	91	189912	53.599	ug/l	100
83) tert-Butylbenzene	13.075	119	198639	55.827	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	223022	55.325	ug/l	100
85) sec-Butylbenzene	13.257	105	300652	55.387	ug/l	100
86) p-Isopropyltoluene	13.373	119	246807	55.633	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	128410	54.865	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	127878	53.535	ug/l	99
89) n-Butylbenzene	13.696	91	231866	54.595	ug/l	100
90) Hexachloroethane	13.959	117	49608	53.688	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	116977	55.290	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9403	51.814	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	69621	53.446	ug/l	98
94) Hexachlorobutadiene	15.111	225	41732	52.525	ug/l	99
95) Naphthalene	15.239	128	139920	53.601	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	61415	53.011	ug/l	99

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

