

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122123\
 Data File : VY016774.D
 Acq On : 21 Dec 2023 22:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/22/2023
 Supervised By :Semsettin Yesilyurt 12/22/2023

Quant Time: Dec 22 00:47:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.813	168	127554	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.716	114	228932	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	199668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	86240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	74526	64.002	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.000%			
35) Dibromofluoromethane	7.746	113	77453	59.062	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.120%			
50) Toluene-d8	10.203	98	279274	59.076	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 118.160%			
62) 4-Bromofluorobenzene	12.502	95	89246	58.190	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 116.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	49523	45.431	ug/l	96
3) Chloromethane	2.125	50	91608	54.673	ug/l	97
4) Vinyl Chloride	2.266	62	100630	53.170	ug/l	100
5) Bromomethane	2.674	94	75753	56.197	ug/l	94
6) Chloroethane	2.814	64	70588	55.042	ug/l	98
7) Trichlorofluoromethane	3.150	101	110765	50.240	ug/l	97
8) Diethyl Ether	3.552	74	40520	57.452	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.930	101	68308	50.507	ug/l	99
10) Methyl Iodide	4.125	142	72262	51.275	ug/l	99
11) Tert butyl alcohol	4.985	59	26941	282.184	ug/l	100
12) 1,1-Dichloroethene	3.906	96	64641	53.680	ug/l	96
13) Acrolein	3.753	56	21576	292.899	ug/l	99
14) Allyl chloride	4.515	41	108146	58.635	ug/l	98
15) Acrylonitrile	5.198	53	95919	321.145	ug/l	100
16) Acetone	3.973	43	81196	257.867	ug/l	100
17) Carbon Disulfide	4.229	76	185606	56.648	ug/l	99
18) Methyl Acetate	4.509	43	86774	70.517	ug/l	100
19) Methyl tert-butyl Ether	5.259	73	185810	59.970	ug/l	100
20) Methylene Chloride	4.753	84	82784	52.674	ug/l	99
21) trans-1,2-Dichloroethene	5.259	96	79332	57.765	ug/l	96
22) Diisopropyl ether	6.149	45	256474	61.464	ug/l	95
23) Vinyl Acetate	6.094	43	554862	281.154	ug/l	100
24) 1,1-Dichloroethane	6.051	63	144656	57.710	ug/l	99
25) 2-Butanone	7.015	43	121709	280.742	ug/l	97
26) 2,2-Dichloropropane	7.015	77	113153	51.729	ug/l	100
27) cis-1,2-Dichloroethene	7.015	96	91712	58.024	ug/l	98
28) Bromochloromethane	7.362	49	61452	61.941	ug/l	98
29) Tetrahydrofuran	7.380	42	78612	331.625	ug/l	99
30) Chloroform	7.533	83	150028	58.467	ug/l	99
31) Cyclohexane	7.813	56	111243	49.862	ug/l	97
32) 1,1,1-Trichloroethane	7.728	97	122067	54.193	ug/l	99
36) 1,1-Dichloropropene	7.947	75	110333	52.481	ug/l	98
37) Ethyl Acetate	7.100	43	51468	57.116	ug/l	100
38) Carbon Tetrachloride	7.929	117	104328	50.149	ug/l	98
39) Methylcyclohexane	9.209	83	121664	50.123	ug/l	98
40) Benzene	8.185	78	335337	54.812	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	29553	61.770	ug/l	96
42) 1,2-Dichloroethane	8.264	62	91054	57.047	ug/l	99
43) Isopropyl Acetate	8.295	43	102549	58.594	ug/l	99
44) Trichloroethene	8.966	130	81996	52.511	ug/l	97
45) 1,2-Dichloropropane	9.240	63	85559	55.751	ug/l	99
46) Dibromomethane	9.325	93	45288	57.124	ug/l	98
47) Bromodichloromethane	9.520	83	116865	55.927	ug/l	97
48) Methyl methacrylate	9.313	41	57815	59.438	ug/l	97
49) 1,4-Dioxane	9.325	88	8904	1157.129	ug/l	96
51) 4-Methyl-2-Pentanone	10.087	43	286370	307.097	ug/l	100
52) Toluene	10.264	92	205651	56.093	ug/l	100
53) t-1,3-Dichloropropene	10.484	75	107308	56.319	ug/l	99
54) cis-1,3-Dichloropropene	9.947	75	127392	55.430	ug/l	98
55) 1,1,2-Trichloroethane	10.666	97	63729	56.340	ug/l	99
56) Ethyl methacrylate	10.526	69	60687	61.013	ug/l	98
57) 1,3-Dichloropropane	10.807	76	109478	56.982	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.801	63	165655	309.589	ug/l	99
59) 2-Hexanone	10.849	43	194760	280.097	ug/l	100
60) Dibromochloromethane	11.002	129	74324	56.800	ug/l	100
61) 1,2-Dibromoethane	11.112	107	58376	57.547	ug/l	99
64) Tetrachloroethene	10.740	164	65194	52.562	ug/l	95
65) Chlorobenzene	11.538	112	210444	53.644	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.611	131	77854	52.747	ug/l	98
67) Ethyl Benzene	11.611	91	387357	53.647	ug/l	99
68) m/p-Xylenes	11.721	106	287892	107.973	ug/l	100
69) o-Xylene	12.050	106	133213	54.459	ug/l	98
70) Styrene	12.063	104	200352	55.352	ug/l	99
71) Bromoform	12.227	173	41243	56.047	ug/l #	99
73) Isopropylbenzene	12.349	105	359115	53.468	ug/l	100
74) N-amyl acetate	12.160	43	80951	57.430	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.599	83	74935	55.831	ug/l	99
76) 1,2,3-Trichloropropane	12.648	75	50822m	53.310	ug/l	
77) Bromobenzene	12.630	156	77406	52.828	ug/l	95
78) n-propylbenzene	12.691	91	431429	53.017	ug/l	99
79) 2-Chlorotoluene	12.776	91	240080	53.317	ug/l	100
80) 1,3,5-Trimethylbenzene	12.831	105	287940	54.158	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.398	75	21867	53.867	ug/l	98
82) 4-Chlorotoluene	12.873	91	248436	53.780	ug/l	99
83) tert-Butylbenzene	13.093	119	246103	53.216	ug/l	98
84) 1,2,4-Trimethylbenzene	13.136	105	288076	54.949	ug/l	99
85) sec-Butylbenzene	13.270	105	360666	52.653	ug/l	100
86) p-Isopropyltoluene	13.386	119	302539	53.035	ug/l	100
87) 1,3-Dichlorobenzene	13.386	146	149590	52.240	ug/l	100
88) 1,4-Dichlorobenzene	13.465	146	145619	52.079	ug/l	99
89) n-Butylbenzene	13.715	91	286767	52.588	ug/l	99
90) Hexachloroethane	13.977	117	62211	52.373	ug/l	97
91) 1,2-Dichlorobenzene	13.757	146	131252	53.804	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.373	75	9508	54.649	ug/l	99
93) 1,2,4-Trichlorobenzene	15.025	180	67544	52.181	ug/l	98
94) Hexachlorobutadiene	15.129	225	36412	49.527	ug/l	100
95) Naphthalene	15.251	128	137354	49.343	ug/l	100
96) 1,2,3-Trichlorobenzene	15.440	180	58376	52.953	ug/l	98

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

