

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032023\
 Data File : VY013017.D
 Acq On : 20 Mar 2023 18:47
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/21/2023
 Supervised By :Mahesh Dadoda 03/21/2023

Quant Time: Mar 21 01:16:16 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	94087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	145973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	136811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	72927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	46266	49.527	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.060%		
35) Dibromofluoromethane	7.716	113	44677	50.715	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.420%		
50) Toluene-d8	10.179	98	145996	45.332	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.660%		
62) 4-Bromofluorobenzene	12.483	95	55522	51.077	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	48500	52.299	ug/l	97
3) Chloromethane	2.113	50	50654	45.689	ug/l	98
4) Vinyl Chloride	2.247	62	47904	47.120	ug/l	99
5) Bromomethane	2.644	94	33521	54.264	ug/l	99
6) Chloroethane	2.790	64	31523	51.774	ug/l	95
7) Trichlorofluoromethane	3.119	101	71990	42.635	ug/l	96
8) Diethyl Ether	3.528	74	33541	56.685	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	54515	53.663	ug/l	99
10) Methyl Iodide	4.088	142	70583	53.324	ug/l	98
11) Tert butyl alcohol	4.948	59	32162	303.704	ug/l	100
12) 1,1-Dichloroethene	3.869	96	51613	53.271	ug/l	98
13) Acrolein	3.729	56	35993	219.919	ug/l	100
14) Allyl chloride	4.479	41	97315	54.375	ug/l	99
15) Acrylonitrile	5.155	53	96366	309.089	ug/l	99
16) Acetone	3.942	43	102419	279.325	ug/l	97
17) Carbon Disulfide	4.192	76	173980	52.755	ug/l	99
18) Methyl Acetate	4.473	43	66244	60.668	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	149063	59.564	ug/l	99
20) Methylene Chloride	4.710	84	64105	58.171	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	58584	55.641	ug/l	100
22) Diisopropyl ether	6.119	45	194974	59.980	ug/l	99
23) Vinyl Acetate	6.058	43	623800	308.848	ug/l	99
24) 1,1-Dichloroethane	6.015	63	104700	56.524	ug/l	99
25) 2-Butanone	6.984	43	138455	304.869	ug/l	98
26) 2,2-Dichloropropane	6.978	77	86482	52.568	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	65968	58.439	ug/l	98
28) Bromochloromethane	7.332	49	38486	56.855	ug/l	98
29) Tetrahydrofuran	7.344	42	88843	324.357	ug/l	100
30) Chloroform	7.509	83	108448	59.273	ug/l	99
31) Cyclohexane	7.783	56	90398	50.527	ug/l	98
32) 1,1,1-Trichloroethane	7.698	97	91840	55.506	ug/l	98
36) 1,1-Dichloropropene	7.917	75	79875	54.106	ug/l	99
37) Ethyl Acetate	7.070	43	56845	61.093	ug/l	99
38) Carbon Tetrachloride	7.893	117	84612	55.502	ug/l	95
39) Methylcyclohexane	9.179	83	93995	53.555	ug/l	97
40) Benzene	8.161	78	237011	56.756	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	21101m	42.092	ug/l	
42) 1,2-Dichloroethane	8.234	62	74619	59.434	ug/l	99
43) Isopropyl Acetate	8.271	43	101487	61.134	ug/l	99
44) Trichloroethene	8.941	130	61435	55.799	ug/l	97
45) 1,2-Dichloropropane	9.216	63	61385	58.164	ug/l	97
46) Dibromomethane	9.301	93	36684	61.013	ug/l	98
47) Bromodichloromethane	9.496	83	84162	59.400	ug/l	98
48) Methyl methacrylate	9.289	41	47108	61.586	ug/l	98
49) 1,4-Dioxane	9.295	88	10652	1370.444	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	292593	324.928	ug/l	99
52) Toluene	10.240	92	147693	58.644	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	88827	59.770	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	99100	58.913	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	50713	60.565	ug/l	98
56) Ethyl methacrylate	10.508	69	70693	63.317	ug/l	99
57) 1,3-Dichloropropane	10.788	76	85856	60.200	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	176213	300.648	ug/l	99
59) 2-Hexanone	10.831	43	213107	325.624	ug/l	100
60) Dibromochloromethane	10.984	129	61267	60.109	ug/l	99
61) 1,2-Dibromoethane	11.087	107	49458	61.317	ug/l	100
64) Tetrachloroethene	10.715	164	53081	53.290	ug/l	97
65) Chlorobenzene	11.514	112	159086	55.405	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	60423	56.870	ug/l	99
67) Ethyl Benzene	11.593	91	278623	55.192	ug/l	99
68) m/p-Xylenes	11.703	106	216040	111.244	ug/l	99
69) o-Xylene	12.026	106	102797	56.716	ug/l	98
70) Styrene	12.044	104	177203	58.587	ug/l	99
71) Bromoform	12.209	173	41465	59.856	ug/l #	99
73) Isopropylbenzene	12.331	105	267005	51.661	ug/l	100
74) N-amyl acetate	12.142	43	91550	56.298	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	65045	55.985	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	47702m	54.775	ug/l	
77) Bromobenzene	12.605	156	67007	53.368	ug/l	99
78) n-propylbenzene	12.672	91	331551	52.032	ug/l	100
79) 2-Chlorotoluene	12.758	91	185097	52.265	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	224579	52.653	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	22908	54.505	ug/l	100
82) 4-Chlorotoluene	12.855	91	194735	53.119	ug/l	98
83) tert-Butylbenzene	13.075	119	192572	52.309	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	226940	54.412	ug/l	100
85) sec-Butylbenzene	13.251	105	292169	52.022	ug/l	99
86) p-Isopropyltoluene	13.367	119	240827	52.466	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	130119	53.733	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	130378	52.753	ug/l	99
89) n-Butylbenzene	13.696	91	227352	51.739	ug/l	100
90) Hexachloroethane	13.959	117	49406	51.679	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	120561	55.075	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10408	55.431	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	70186	52.075	ug/l	98
94) Hexachlorobutadiene	15.111	225	40644	49.442	ug/l	98
95) Naphthalene	15.233	128	151769	56.193	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	63893	53.302	ug/l	99

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

