

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032723\
 Data File : VY013105.D
 Acq On : 27 Mar 2023 20:24
 Operator : KP/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 :Krupa Patel 03/28/2023
 Supervised By :Mahesh Dadoda 03/28/2023

Quant Time: Mar 28 01:49:30 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	96983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	148445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	137689	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	73473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	49673	51.586	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.180%			
35) Dibromofluoromethane	7.716	113	49065	54.768	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.540%			
50) Toluene-d8	10.179	98	154990	47.324	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.640%			
62) 4-Bromofluorobenzene	12.483	95	60973	55.158	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	41470	43.383	ug/l	100
3) Chloromethane	2.113	50	49273	43.116	ug/l	99
4) Vinyl Chloride	2.247	62	48174	45.971	ug/l	97
5) Bromomethane	2.644	94	32423	50.919	ug/l	96
6) Chloroethane	2.790	64	31738	50.571	ug/l	97
7) Trichlorofluoromethane	3.119	101	81742	46.965	ug/l	98
8) Diethyl Ether	3.521	74	28819	47.250	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.899	101	48813	46.615	ug/l	98
10) Methyl Iodide	4.082	142	62080	45.500	ug/l	96
11) Tert butyl alcohol	4.942	59	29492	267.754	ug/l	97
12) 1,1-Dichloroethene	3.869	96	46333	46.393	ug/l	95
13) Acrolein	3.723	56	29691	175.997	ug/l	100
14) Allyl chloride	4.479	41	92185	49.970	ug/l	98
15) Acrylonitrile	5.155	53	93264	290.207	ug/l	100
16) Acetone	3.942	43	94393	249.749	ug/l	99
17) Carbon Disulfide	4.192	76	150065	44.144	ug/l	99
18) Methyl Acetate	4.473	43	64868	57.633	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	143748	55.725	ug/l	99
20) Methylene Chloride	4.710	84	62817	55.003	ug/l	95
21) trans-1,2-Dichloroethene	5.210	96	55798	51.413	ug/l	99
22) Diisopropyl ether	6.112	45	184355	55.020	ug/l	96
23) Vinyl Acetate	6.058	43	583364	280.203	ug/l	99
24) 1,1-Dichloroethane	6.009	63	100113	52.433	ug/l	98
25) 2-Butanone	6.984	43	130400	278.558	ug/l	93
26) 2,2-Dichloropropane	6.972	77	82039	48.378	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	61658	52.990	ug/l	99
28) Bromochloromethane	7.332	49	35847	51.375	ug/l	94
29) Tetrahydrofuran	7.344	42	85622	303.263	ug/l	96
30) Chloroform	7.502	83	100864	53.482	ug/l	100
31) Cyclohexane	7.783	56	83551	45.306	ug/l	95
32) 1,1,1-Trichloroethane	7.698	97	87634	51.382	ug/l	99
36) 1,1-Dichloropropene	7.917	75	75345	50.187	ug/l	99
37) Ethyl Acetate	7.070	43	55454	58.605	ug/l	97
38) Carbon Tetrachloride	7.899	117	79913	51.547	ug/l	98
39) Methylcyclohexane	9.179	83	86323	48.365	ug/l	98
40) Benzene	8.155	78	215406	50.723	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	26498m	51.977	ug/l	
42) 1,2-Dichloroethane	8.234	62	69464	54.407	ug/l	99
43) Isopropyl Acetate	8.271	43	95341	56.475	ug/l	99
44) Trichloroethene	8.935	130	57954	51.761	ug/l	96
45) 1,2-Dichloropropane	9.216	63	57600	53.669	ug/l	98
46) Dibromomethane	9.301	93	33941	55.511	ug/l	98
47) Bromodichloromethane	9.496	83	78258	54.313	ug/l	95
48) Methyl methacrylate	9.289	41	44287	56.933	ug/l	99
49) 1,4-Dioxane	9.289	88	9882	1250.207	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	278267	303.873	ug/l	99
52) Toluene	10.240	92	136383	53.252	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	81056	53.632	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	92492	54.069	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	46955	55.143	ug/l	99
56) Ethyl methacrylate	10.508	69	65300	57.513	ug/l	99
57) 1,3-Dichloropropane	10.788	76	80620	55.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	164394	275.812	ug/l	99
59) 2-Hexanone	10.831	43	200250	300.884	ug/l	100
60) Dibromochloromethane	10.984	129	56961	54.954	ug/l	99
61) 1,2-Dibromoethane	11.087	107	44751	54.558	ug/l	99
64) Tetrachloroethene	10.715	164	52393	52.264	ug/l	99
65) Chlorobenzene	11.514	112	146779	50.793	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	56105	52.469	ug/l	99
67) Ethyl Benzene	11.593	91	263501	51.864	ug/l	99
68) m/p-Xylenes	11.703	106	201957	103.329	ug/l	99
69) o-Xylene	12.026	106	93345	51.173	ug/l	99
70) Styrene	12.044	104	164097	53.908	ug/l	100
71) Bromoform	12.203	173	38314	54.955	ug/l #	98
73) Isopropylbenzene	12.325	105	250466	48.101	ug/l	100
74) N-amyl acetate	12.142	43	84494	51.573	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	58482	49.962	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	45028m	51.321	ug/l	
77) Bromobenzene	12.605	156	60474	47.807	ug/l	98
78) n-propylbenzene	12.666	91	312254	48.639	ug/l	99
79) 2-Chlorotoluene	12.758	91	174003	48.768	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	211063	49.116	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	21036	49.679	ug/l	99
82) 4-Chlorotoluene	12.855	91	180487	48.867	ug/l	98
83) tert-Butylbenzene	13.075	119	183297	49.419	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	206978	49.257	ug/l	100
85) sec-Butylbenzene	13.251	105	270917	47.879	ug/l	100
86) p-Isopropyltoluene	13.367	119	225666	48.798	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	118922	48.744	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	118902	47.752	ug/l	98
89) n-Butylbenzene	13.696	91	205918	46.513	ug/l	100
90) Hexachloroethane	13.959	117	46153	47.917	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	106292	48.196	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10018	52.957	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	61255	45.111	ug/l	98
94) Hexachlorobutadiene	15.111	225	36295	43.824	ug/l	99
95) Naphthalene	15.233	128	135686	49.865	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	57011	47.208	ug/l	99

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

