

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012423\
 Data File : VY012331.D
 Acq On : 24 Jan 2023 09:56
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/25/2023
 Supervised By :Mahesh Dadoda 01/25/2023

Quant Time: Jan 25 01:30:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	170172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	253437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	234752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	121096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	69406	49.138	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.280%		
35) Dibromofluoromethane	7.716	113	61329	45.701	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.400%		
50) Toluene-d8	10.179	98	225348	48.321	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.640%		
62) 4-Bromofluorobenzene	12.483	95	87171	46.080	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	64625	43.456	ug/l	97
3) Chloromethane	2.119	50	59927	43.651	ug/l	98
4) Vinyl Chloride	2.253	62	74611	46.561	ug/l	99
5) Bromomethane	2.656	94	59267	47.838	ug/l	95
6) Chloroethane	2.796	64	51218	49.010	ug/l	96
7) Trichlorofluoromethane	3.131	101	154911	49.533	ug/l	99
8) Diethyl Ether	3.534	74	45283	48.659	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.906	101	75702	49.735	ug/l	94
10) Methyl Iodide	4.095	142	105324	45.532	ug/l	93
11) Tert butyl alcohol	4.960	59	38811	230.922	ug/l	97
12) 1,1-Dichloroethene	3.881	96	76920	49.216	ug/l	92
13) Acrolein	3.729	56	16006	256.916	ug/l	99
14) Allyl chloride	4.485	41	92045	47.630	ug/l #	82
15) Acrylonitrile	5.168	53	103050	253.511	ug/l	99
16) Acetone	3.948	43	130187	274.741	ug/l	99
17) Carbon Disulfide	4.198	76	227163	46.990	ug/l	99
18) Methyl Acetate	4.479	43	51393	48.469	ug/l #	87
19) Methyl tert-butyl Ether	5.222	73	220528	50.617	ug/l	93
20) Methylene Chloride	4.716	84	85154	41.575	ug/l #	85
21) trans-1,2-Dichloroethene	5.222	96	87248	50.025	ug/l	94
22) Diisopropyl ether	6.119	45	187948	48.783	ug/l #	87
23) Vinyl Acetate	6.064	43	595525	248.058	ug/l #	90
24) 1,1-Dichloroethane	6.021	63	130974	49.012	ug/l	97
25) 2-Butanone	6.984	43	134571	257.244	ug/l #	85
26) 2,2-Dichloropropane	6.984	77	145868	50.283	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	95900	50.058	ug/l	94
28) Bromochloromethane	7.332	49	25170	43.128	ug/l #	72
29) Tetrahydrofuran	7.350	42	71902	250.225	ug/l #	80
30) Chloroform	7.509	83	160246	50.799	ug/l	100
31) Cyclohexane	7.789	56	115426	46.522	ug/l #	84
32) 1,1,1-Trichloroethane	7.704	97	158278	50.682	ug/l	98
36) 1,1-Dichloropropene	7.917	75	115027	50.436	ug/l	97
37) Ethyl Acetate	7.076	43	49073	48.809	ug/l #	93
38) Carbon Tetrachloride	7.905	117	153685	52.176	ug/l	96
39) Methylcyclohexane	9.185	83	145361	52.155	ug/l	93
40) Benzene	8.161	78	332101	50.452	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	30726m	51.992	ug/l	
42) 1,2-Dichloroethane	8.240	62	109245	52.130	ug/l	100
43) Isopropyl Acetate	8.271	43	94323	50.425	ug/l #	93
44) Trichloroethene	8.941	130	99851	50.751	ug/l	98
45) 1,2-Dichloropropane	9.216	63	69158	50.350	ug/l	95
46) Dibromomethane	9.307	93	47475	51.630	ug/l	97
47) Bromodichloromethane	9.496	83	118816	51.332	ug/l	97
48) Methyl methacrylate	9.295	41	43930	50.970	ug/l	87
49) 1,4-Dioxane	9.301	88	13592	1084.793	ug/l	92
51) 4-Methyl-2-Pentanone	10.069	43	259652	260.320	ug/l	95
52) Toluene	10.246	92	228322	52.095	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	126078	52.074	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	133915	51.360	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	66098	50.594	ug/l	99
56) Ethyl methacrylate	10.508	69	89817	52.404	ug/l	93
57) 1,3-Dichloropropane	10.788	76	110870	51.964	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	140754	248.191	ug/l	90
59) 2-Hexanone	10.831	43	207345	273.039	ug/l	95
60) Dibromochloromethane	10.984	129	90226	52.071	ug/l	99
61) 1,2-Dibromoethane	11.087	107	65573	52.016	ug/l	97
64) Tetrachloroethene	10.721	164	113666	53.063	ug/l	97
65) Chlorobenzene	11.520	112	243496	50.695	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	94558	52.157	ug/l	97
67) Ethyl Benzene	11.593	91	441499	51.432	ug/l	99
68) m/p-Xylenes	11.703	106	352280	103.794	ug/l	98
69) o-Xylene	12.032	106	166117	51.242	ug/l	99
70) Styrene	12.044	104	282820	52.214	ug/l	99
71) Bromoform	12.209	173	59656	51.503	ug/l #	99
73) Isopropylbenzene	12.331	105	453252	51.906	ug/l	99
74) N-amyl acetate	12.142	43	83367	48.703	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	69929	50.842	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	51332m	46.099	ug/l	
77) Bromobenzene	12.611	156	105867	50.384	ug/l	91
78) n-propylbenzene	12.672	91	520870	50.975	ug/l	98
79) 2-Chlorotoluene	12.758	91	294889	51.042	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	391214	51.537	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	27551	50.980	ug/l	95
82) 4-Chlorotoluene	12.855	91	303793	50.060	ug/l	96
83) tert-Butylbenzene	13.075	119	346124	52.316	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	388315	51.872	ug/l	99
85) sec-Butylbenzene	13.258	105	486312	51.627	ug/l	97
86) p-Isopropyltoluene	13.373	119	428483	52.064	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	209054	50.025	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	206534	49.556	ug/l	99
89) n-Butylbenzene	13.696	91	368427	51.657	ug/l	98
90) Hexachloroethane	13.965	117	73702	49.606	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	186516	50.019	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14786	52.019	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	118121	49.438	ug/l	99
94) Hexachlorobutadiene	15.117	225	72368	50.307	ug/l	98
95) Naphthalene	15.239	128	241287	51.165	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	101493	49.364	ug/l	99

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

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