

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091922\
 Data File : VY010548.D
 Acq On : 19 Sep 2022 12:39
 Operator : KP/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/20/2022
 Supervised By :Mahesh Dadoda 09/20/2022

Quant Time: Sep 20 00:39:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 00:36:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	293956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	464546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	412083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	199258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	26653	9.480	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	18.960%#		
35) Dibromofluoromethane	7.710	113	33643	11.348	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	22.700%#		
50) Toluene-d8	10.179	98	82483	8.168	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	16.340%#		
62) 4-Bromofluorobenzene	12.477	95	56696	12.878	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	25.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	21394	13.051	ug/l	97
3) Chloromethane	2.107	50	29237	12.732	ug/l	94
4) Vinyl Chloride	2.241	62	35611	12.353	ug/l	97
5) Bromomethane	2.643	94	25212	12.266	ug/l	97
6) Chloroethane	2.784	64	24646	11.902	ug/l	96
7) Trichlorofluoromethane	3.119	101	44782	11.594	ug/l	90
8) Diethyl Ether	3.521	74	14367	10.848	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.893	101	26386	11.351	ug/l	96
10) Methyl Iodide	4.082	142	29245	10.890	ug/l	91
11) Tert butyl alcohol	4.942	59	15736	55.113	ug/l #	87
12) 1,1-Dichloroethene	3.863	96	24627	11.864	ug/l	84
13) Acrolein	3.722	56	7375	56.387	ug/l	95
14) Allyl chloride	4.466	41	34316	10.966	ug/l #	93
15) Acrylonitrile	5.155	53	35965	52.323	ug/l	97
16) Acetone	3.936	43	29221	50.964	ug/l	91
17) Carbon Disulfide	4.186	76	60145	12.987	ug/l	99
18) Methyl Acetate	4.466	43	19411	10.436	ug/l #	84
19) Methyl tert-butyl Ether	5.210	73	66271	10.240	ug/l	94
20) Methylene Chloride	4.710	84	59363	12.871	ug/l #	82
21) trans-1,2-Dichloroethene	5.210	96	26406	11.305	ug/l	87
22) Diisopropyl ether	6.118	45	75832	10.265	ug/l #	88
23) Vinyl Acetate	6.051	43	219611	50.324	ug/l #	90
24) 1,1-Dichloroethane	6.009	63	47723	10.764	ug/l	98
25) 2-Butanone	6.978	43	45216	50.418	ug/l #	78
26) 2,2-Dichloropropane	6.972	77	46695	10.952	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	31336	10.768	ug/l	90
28) Bromochloromethane	7.325	49	11751	6.648	ug/l #	78
29) Tetrahydrofuran	7.344	42	28519	51.775	ug/l #	82
30) Chloroform	7.502	83	50732	10.577	ug/l	99
31) Cyclohexane	7.777	56	42891	11.826	ug/l #	72
32) 1,1,1-Trichloroethane	7.697	97	46529	10.899	ug/l	96
36) 1,1-Dichloropropene	7.911	75	37114	11.235	ug/l	97
37) Ethyl Acetate	7.063	43	20273	10.625	ug/l #	92
38) Carbon Tetrachloride	7.892	117	42165	11.101	ug/l	99
39) Methylcyclohexane	9.179	83	45007	11.641	ug/l	90
40) Benzene	8.155	78	108735	11.042	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	9328m	8.408	ug/l	
42) 1,2-Dichloroethane	8.234	62	32473	10.709	ug/l	91
43) Isopropyl Acetate	8.270	43	35727	10.215	ug/l #	88
44) Trichloroethene	8.935	130	30945	10.977	ug/l	94
45) 1,2-Dichloropropane	9.209	63	26867	10.546	ug/l	96
46) Dibromomethane	9.301	93	15695	10.491	ug/l	98
47) Bromodichloromethane	9.490	83	38398	10.395	ug/l	95
48) Methyl methacrylate	9.289	41	15083	9.769	ug/l #	77
49) 1,4-Dioxane	9.295	88	4592	208.733	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	99588	50.435	ug/l	89
52) Toluene	10.240	92	70602	10.957	ug/l	92
53) t-1,3-Dichloropropene	10.459	75	38286	10.250	ug/l	94
54) cis-1,3-Dichloropropene	9.923	75	43462	10.437	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	22945	10.427	ug/l	96
56) Ethyl methacrylate	10.508	69	27760	9.738	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	38047	10.438	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	57443	39.947	ug/l	93
59) 2-Hexanone	10.831	43	65854	49.204	ug/l	87
60) Dibromochloromethane	10.983	129	27317	10.144	ug/l	98
61) 1,2-Dibromoethane	11.087	107	21952	10.656	ug/l	99
64) Tetrachloroethene	10.715	164	30410	11.047	ug/l	96
65) Chlorobenzene	11.514	112	75951	10.659	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	29125	10.491	ug/l	97
67) Ethyl Benzene	11.593	91	131761	10.530	ug/l	99
68) m/p-Xylenes	11.697	106	101724	20.985	ug/l	94
69) o-Xylene	12.026	106	49014	10.371	ug/l	93
70) Styrene	12.044	104	81327	10.130	ug/l	96
71) Bromoform	12.203	173	17515	10.161	ug/l #	97
73) Isopropylbenzene	12.325	105	131286	10.661	ug/l	100
74) N-amyl acetate	12.142	43	28824	9.652	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	26681	10.632	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	22909m	10.747	ug/l	
77) Bromobenzene	12.605	156	31215	10.653	ug/l	93
78) n-propylbenzene	12.666	91	156361	10.660	ug/l	98
79) 2-Chlorotoluene	12.751	91	88091	10.540	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	110808	10.649	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	8653	10.116	ug/l	90
82) 4-Chlorotoluene	12.855	91	92102	10.672	ug/l	99
83) tert-Butylbenzene	13.074	119	98545	10.590	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	109265	10.570	ug/l	98
85) sec-Butylbenzene	13.251	105	144778	10.623	ug/l	99
86) p-Isopropyltoluene	13.367	119	117520	10.319	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	62608	10.528	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	61901	10.517	ug/l	98
89) n-Butylbenzene	13.696	91	109458	10.469	ug/l	99
90) Hexachloroethane	13.958	117	22910	10.477	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	55859	10.544	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4410	10.532	ug/l	81
93) 1,2,4-Trichlorobenzene	15.001	180	32531	10.066	ug/l	99
94) Hexachlorobutadiene	15.111	225	20478	10.425	ug/l	97
95) Naphthalene	15.233	128	64685	9.934	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	29150	10.359	ug/l	98

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

