

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082422\
 Data File : VY010189.D
 Acq On : 24 Aug 2022 11:22
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/26/2022
 Supervised By :Mahesh Dadoda 08/26/2022

Quant Time: Aug 25 01:51:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082422S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 25 01:46:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	180901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	284465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	275731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	149804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	36437	23.321	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	46.640%#		
35) Dibromofluoromethane	7.710	113	38353	23.301	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	46.600%#		
50) Toluene-d8	10.179	98	137636	24.173	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	48.340%#		
62) 4-Bromofluorobenzene	12.477	95	51441	23.480	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	46.960%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	23496	17.095	ug/l	100
3) Chloromethane	2.107	50	27673	20.340	ug/l	99
4) Vinyl Chloride	2.241	62	30229	20.327	ug/l	96
5) Bromomethane	2.631	94	24842	20.847	ug/l	96
6) Chloroethane	2.784	64	22482	21.262	ug/l	99
7) Trichlorofluoromethane	3.113	101	40406	24.346	ug/l	94
8) Diethyl Ether	3.521	74	20774	21.206	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.887	101	35539	21.146	ug/l	96
10) Methyl Iodide	4.082	142	39415	21.225	ug/l #	88
11) Tert butyl alcohol	4.948	59	21778	104.932	ug/l	98
12) 1,1-Dichloroethene	3.863	96	31651	21.032	ug/l #	79
13) Acrolein	3.717	56	9931	145.587	ug/l	99
14) Allyl chloride	4.466	41	56243	21.225	ug/l	89
15) Acrylonitrile	5.149	53	61621	116.901	ug/l	98
16) Acetone	3.942	43	48851	112.590	ug/l #	81
17) Carbon Disulfide	4.180	76	72890	18.948	ug/l	100
18) Methyl Acetate	4.466	43	31983	21.508	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	99935	22.496	ug/l	100
20) Methylene Chloride	4.704	84	49904	17.536	ug/l	86
21) trans-1,2-Dichloroethene	5.210	96	37131	21.291	ug/l #	81
22) Diisopropyl ether	6.112	45	136316	23.065	ug/l	94
23) Vinyl Acetate	6.051	43	403709	115.975	ug/l #	95
24) 1,1-Dichloroethane	6.009	63	73690	21.941	ug/l	99
25) 2-Butanone	6.978	43	81312	112.607	ug/l	91
26) 2,2-Dichloropropane	6.972	77	63649	20.635	ug/l	94
27) cis-1,2-Dichloroethene	6.972	96	45244	21.537	ug/l	89
28) Bromochloromethane	7.326	49	24896	22.114	ug/l #	91
29) Tetrahydrofuran	7.344	42	51454	117.117	ug/l	93
30) Chloroform	7.496	83	78212	22.468	ug/l	99
31) Cyclohexane	7.777	56	56152	20.373	ug/l	95
32) 1,1,1-Trichloroethane	7.698	97	63937	21.866	ug/l	96
36) 1,1-Dichloropropene	7.911	75	52117	21.234	ug/l	97
37) Ethyl Acetate	7.070	43	35923	23.062	ug/l	97
38) Carbon Tetrachloride	7.893	117	57195	22.037	ug/l	97
39) Methylcyclohexane	9.179	83	55458	20.270	ug/l	95
40) Benzene	8.155	78	162482	21.674	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	18447	14.964	ug/l #	32
42) 1,2-Dichloroethane	8.234	62	46825	22.512	ug/l	91
43) Isopropyl Acetate	8.271	43	64619	23.755	ug/l	94
44) Trichloroethene	8.935	130	44350	21.435	ug/l	96
45) 1,2-Dichloropropane	9.209	63	44454	22.589	ug/l	94
46) Dibromomethane	9.301	93	24809	22.859	ug/l	98
47) Bromodichloromethane	9.496	83	60201	22.547	ug/l	99
48) Methyl methacrylate	9.289	41	27437	23.401	ug/l #	86
49) 1,4-Dioxane	9.295	88	6257	495.711	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	178593	119.885	ug/l	93
52) Toluene	10.240	92	103982	22.109	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	60177	22.692	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	69235	22.546	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	37306	22.694	ug/l	98
56) Ethyl methacrylate	10.508	69	46112	22.850	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	61545	23.047	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	110729	137.149	ug/l	99
59) 2-Hexanone	10.831	43	121141	120.124	ug/l	91
60) Dibromochloromethane	10.984	129	44132	22.749	ug/l	99
61) 1,2-Dibromoethane	11.087	107	34408	22.709	ug/l	100
64) Tetrachloroethene	10.715	164	43414	21.389	ug/l	99
65) Chlorobenzene	11.514	112	117896	21.971	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	46163	22.595	ug/l	97
67) Ethyl Benzene	11.593	91	200896	21.710	ug/l	98
68) m/p-Xylenes	11.703	106	158073	44.472	ug/l	94
69) o-Xylene	12.026	106	73109	21.566	ug/l	94
70) Styrene	12.044	104	131372	22.632	ug/l	94
71) Bromoform	12.209	173	29293	22.764	ug/l #	98
73) Isopropylbenzene	12.331	105	201202	21.722	ug/l	100
74) N-amyl acetate	12.142	43	57356	22.701	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	46180	22.840	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	32839m	14.452	ug/l	
77) Bromobenzene	12.605	156	49456	21.706	ug/l	96
78) n-propylbenzene	12.666	91	248524	21.582	ug/l	98
79) 2-Chlorotoluene	12.752	91	140699	21.724	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	176245	22.412	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	15593	22.557	ug/l #	85
82) 4-Chlorotoluene	12.855	91	149403	22.079	ug/l	97
83) tert-Butylbenzene	13.075	119	147508	21.810	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	174906	22.476	ug/l	97
85) sec-Butylbenzene	13.251	105	227414	22.081	ug/l	99
86) p-Isopropyltoluene	13.367	119	186363	22.169	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	103218	22.266	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	103327	22.126	ug/l	99
89) n-Butylbenzene	13.696	91	177904	22.064	ug/l	99
90) Hexachloroethane	13.959	117	38981	22.075	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	93149	22.478	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6961	24.882	ug/l	75
93) 1,2,4-Trichlorobenzene	15.007	180	27201	13.885	ug/l	99
94) Hexachlorobutadiene	15.111	225	30463	25.779	ug/l	98
95) Naphthalene	15.233	128	47599	12.341	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	23488	13.519	ug/l	96

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

