

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081222\
 Data File : VY009983.D
 Acq On : 12 Aug 2022 13:25
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/14/2022
 Supervised By :Mahesh Dadoda 08/16/2022

Quant Time: Aug 13 02:20:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081222S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 13 02:18:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	90742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	162616	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	144559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	75344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	4956	5.348	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.700%#		
35) Dibromofluoromethane	7.710	113	4924	4.935	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.880%#		
50) Toluene-d8	10.173	98	17787	4.625	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.260%#		
62) 4-Bromofluorobenzene	12.483	95	7233	5.280	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.560%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	4840	6.006	ug/l	98
3) Chloromethane	2.107	50	3010	4.934	ug/l	96
4) Vinyl Chloride	2.241	62	3046	4.688	ug/l #	86
5) Bromomethane	2.637	94	3338	6.537	ug/l	92
6) Chloroethane	2.784	64	2487	5.849	ug/l	97
7) Trichlorofluoromethane	3.113	101	8996	5.791	ug/l	95
8) Diethyl Ether	3.515	74	3091	5.128	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.893	101	5368	5.302	ug/l	95
10) Methyl Iodide	4.082	142	5419	4.536	ug/l	92
11) Tert butyl alcohol	4.942	59	3595	35.977	ug/l #	94
12) 1,1-Dichloroethene	3.857	96	5138	5.259	ug/l	87
13) Acrolein	3.716	56	3333	28.035	ug/l	97
14) Allyl chloride	4.466	41	7827	5.797	ug/l	91
15) Acrylonitrile	5.155	53	7487	26.268	ug/l	99
16) Acetone	3.942	43	6910	30.835	ug/l #	85
17) Carbon Disulfide	4.180	76	16212	5.059	ug/l #	94
18) Methyl Acetate	4.472	43	5094	7.143	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	11736	4.906	ug/l	92
20) Methylene Chloride	4.698	84	12704	8.835	ug/l	97
21) trans-1,2-Dichloroethene	5.204	96	5627	5.186	ug/l	97
22) Diisopropyl ether	6.106	45	14557	5.277	ug/l	96
23) Vinyl Acetate	6.051	43	39157	22.873	ug/l	98
24) 1,1-Dichloroethane	5.997	63	9741	5.577	ug/l #	93
25) 2-Butanone	6.978	43	10643	31.012	ug/l	94
26) 2,2-Dichloropropane	6.972	77	9195	5.910	ug/l	97
27) cis-1,2-Dichloroethene	6.972	96	5920	5.067	ug/l	90
28) Bromochloromethane	7.326	49	3871	5.536	ug/l #	93
29) Tetrahydrofuran	7.338	42	5836	26.543	ug/l	97
30) Chloroform	7.496	83	9317	5.077	ug/l	98
31) Cyclohexane	7.777	56	9627	5.834	ug/l #	60
32) 1,1,1-Trichloroethane	7.691	97	7721	4.949	ug/l	96
36) 1,1-Dichloropropene	7.905	75	7539	5.046	ug/l	94
37) Ethyl Acetate	7.069	43	4346	5.454	ug/l	98
38) Carbon Tetrachloride	7.893	117	6683	4.453	ug/l	97
39) Methylcyclohexane	9.179	83	7956	4.424	ug/l	95
40) Benzene	8.155	78	22208	4.891	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	2394m	2.534	ug/l	
42) 1,2-Dichloroethane	8.234	62	5710	4.868	ug/l	96
43) Isopropyl Acetate	8.271	43	7255	5.212	ug/l	96
44) Trichloroethene	8.935	130	5990	4.910	ug/l	97
45) 1,2-Dichloropropane	9.215	63	5475	5.079	ug/l	93
46) Dibromomethane	9.301	93	3097	4.750	ug/l	96
47) Bromodichloromethane	9.490	83	6805	4.691	ug/l	96
48) Methyl methacrylate	9.289	41	3023	4.966	ug/l	94
49) 1,4-Dioxane	9.295	88	462	60.756	ug/l #	72
51) 4-Methyl-2-Pentanone	10.069	43	18015	23.758	ug/l	98
52) Toluene	10.240	92	12250	4.499	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	6898	4.618	ug/l	93
54) cis-1,3-Dichloropropene	9.923	75	7748	4.498	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	4382	4.702	ug/l	94
56) Ethyl methacrylate	10.508	69	4635	4.007	ug/l	95
57) 1,3-Dichloropropane	10.788	76	7097	4.680	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	12264	24.535	ug/l	100
59) 2-Hexanone	10.831	43	11699	22.182	ug/l	100
60) Dibromochloromethane	10.983	129	4747	4.420	ug/l	95
61) 1,2-Dibromoethane	11.087	107	4238	4.748	ug/l	95
64) Tetrachloroethene	10.715	164	5164	4.998	ug/l	91
65) Chlorobenzene	11.514	112	14584	4.945	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	4904	4.629	ug/l	95
67) Ethyl Benzene	11.587	91	22513	4.529	ug/l	98
68) m/p-Xylenes	11.697	106	16758	8.868	ug/l	95
69) o-Xylene	12.026	106	9143	5.109	ug/l	96
70) Styrene	12.044	104	14608	4.786	ug/l	96
71) Bromoform	12.209	173	3495	5.520	ug/l #	99
73) Isopropylbenzene	12.325	105	23115	4.567	ug/l	98
74) N-amyl acetate	12.142	43	5902	4.460	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	6282	5.382	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	4387m	3.147	ug/l	
77) Bromobenzene	12.605	156	5909	4.720	ug/l	84
78) n-propylbenzene	12.666	91	28922	4.416	ug/l	98
79) 2-Chlorotoluene	12.751	91	15294	4.027	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	15960	3.709	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	1786	4.350	ug/l	99
82) 4-Chlorotoluene	12.849	91	15456	3.971	ug/l	97
83) tert-Butylbenzene	13.075	119	14549	3.919	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	15896	3.749	ug/l	98
85) sec-Butylbenzene	13.251	105	23976	4.250	ug/l	99
86) p-Isopropyltoluene	13.367	119	16895	3.746	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	10476	4.210	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	12892	5.084	ug/l	94
89) n-Butylbenzene	13.696	91	17334	3.993	ug/l	95
90) Hexachloroethane	13.959	117	4333	4.499	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	9612	4.295	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	979	5.398	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	4750	3.687	ug/l	97
94) Hexachlorobutadiene	15.111	225	3035	4.232	ug/l	98
95) Naphthalene	15.239	128	9097	3.353	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	4268	3.733	ug/l	100

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

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