

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081422\
 Data File : VY010005.D
 Acq On : 14 Aug 2022 18:15
 Operator : KP/MD
 Sample : VY0814SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0814SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/15/2022
 Supervised By :Mahesh Dadoda 08/16/2022

Quant Time: Aug 15 00:40:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081222S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 13 02:54:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	102987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	170617	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	153917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	76724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	51206	49.015	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.020%		
35) Dibromofluoromethane	7.710	113	53752	51.474	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.940%		
50) Toluene-d8	10.179	98	205958	51.474	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.940%		
62) 4-Bromofluorobenzene	12.477	95	73418	50.081	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	20852	22.554	ug/l	96
3) Chloromethane	2.107	50	12126	17.856	ug/l	92
4) Vinyl Chloride	2.241	62	12758	17.830	ug/l	95
5) Bromomethane	2.631	94	9971	18.029	ug/l	97
6) Chloroethane	2.784	64	7854	16.602	ug/l	99
7) Trichlorofluoromethane	3.113	101	33038	18.638	ug/l	100
8) Diethyl Ether	3.521	74	11400	17.085	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.887	101	21170	18.585	ug/l	97
10) Methyl Iodide	4.082	142	24025	17.632	ug/l	98
11) Tert butyl alcohol	4.948	59	8739	75.961	ug/l	97
12) 1,1-Dichloroethene	3.863	96	19278	17.432	ug/l	88
13) Acrolein	3.723	56	10151	75.516	ug/l	98
14) Allyl chloride	4.466	41	22153	14.368	ug/l #	88
15) Acrylonitrile	5.149	53	25845	80.924	ug/l	97
16) Acetone	3.942	43	19202	76.531	ug/l	91
17) Carbon Disulfide	4.180	76	55227	15.344	ug/l	99
18) Methyl Acetate	4.472	43	10985	13.820	ug/l #	84
19) Methyl tert-butyl Ether	5.204	73	49162	18.192	ug/l	98
20) Methylene Chloride	4.704	84	29040	18.368	ug/l #	82
21) trans-1,2-Dichloroethene	5.210	96	21975	17.880	ug/l	89
22) Diisopropyl ether	6.106	45	49000	15.719	ug/l #	88
23) Vinyl Acetate	6.051	43	152541	79.197	ug/l #	91
24) 1,1-Dichloroethane	6.009	63	34153	17.170	ug/l	98
25) 2-Butanone	6.978	43	27987	71.884	ug/l #	79
26) 2,2-Dichloropropane	6.972	77	31926	18.108	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	24339	18.435	ug/l	88
28) Bromochloromethane	7.325	49	11287	14.207	ug/l #	64
29) Tetrahydrofuran	7.344	42	17948	72.943	ug/l #	76
30) Chloroform	7.496	83	39603	19.254	ug/l	99
31) Cyclohexane	7.777	56	30198	16.149	ug/l #	82
32) 1,1,1-Trichloroethane	7.691	97	34481	19.729	ug/l	98
36) 1,1-Dichloropropene	7.911	75	28193	18.131	ug/l	99
37) Ethyl Acetate	7.063	43	12583	14.993	ug/l #	89
38) Carbon Tetrachloride	7.892	117	32171	20.732	ug/l	100
39) Methylcyclohexane	9.179	83	33053	17.653	ug/l	96
40) Benzene	8.149	78	86863	18.459	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	6414m	14.389	ug/l	
42) 1,2-Dichloroethane	8.228	62	24078	19.753	ug/l	98
43) Isopropyl Acetate	8.264	43	23893	16.402	ug/l #	90
44) Trichloroethene	8.935	130	24931	19.564	ug/l	95
45) 1,2-Dichloropropane	9.209	63	20483	18.141	ug/l	100
46) Dibromomethane	9.301	93	13088	19.254	ug/l	99
47) Bromodichloromethane	9.490	83	29258	19.360	ug/l	100
48) Methyl methacrylate	9.289	41	10629	16.629	ug/l	88
49) 1,4-Dioxane	9.295	88	2873	352.757	ug/l #	94
51) 4-Methyl-2-Pentanone	10.069	43	64480	81.642	ug/l	89
52) Toluene	10.240	92	54636	19.280	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	29053	18.706	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	34036	18.953	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	18755	19.291	ug/l	94
56) Ethyl methacrylate	10.508	69	21473	17.864	ug/l	89
57) 1,3-Dichloropropane	10.788	76	29775	18.881	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	52591	99.957	ug/l	92
59) 2-Hexanone	10.831	43	44048	80.824	ug/l	89
60) Dibromochloromethane	10.983	129	22531	20.292	ug/l	99
61) 1,2-Dibromoethane	11.087	107	17802	19.119	ug/l	96
64) Tetrachloroethene	10.715	164	22946	20.407	ug/l	94
65) Chlorobenzene	11.514	112	61000	19.525	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	22652	20.353	ug/l	97
67) Ethyl Benzene	11.587	91	101996	19.417	ug/l	95
68) m/p-Xylenes	11.703	106	80443	39.562	ug/l	95
69) o-Xylene	12.026	106	37979	19.695	ug/l	98
70) Styrene	12.044	104	65742	20.014	ug/l	100
71) Bromoform	12.203	173	14154	20.132	ug/l #	99
73) Isopropylbenzene	12.325	105	99751	19.371	ug/l	99
74) N-amyl acetate	12.142	43	20767	15.765	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	21417	18.020	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	18380m	20.731	ug/l	
77) Bromobenzene	12.605	156	25463	20.440	ug/l	98
78) n-propylbenzene	12.666	91	124768	19.306	ug/l	99
79) 2-Chlorotoluene	12.751	91	72066	19.631	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	87283	20.746	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	7467	18.308	ug/l	89
82) 4-Chlorotoluene	12.849	91	76427	19.986	ug/l	98
83) tert-Butylbenzene	13.074	119	73184	19.789	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	85982	20.351	ug/l	100
85) sec-Butylbenzene	13.251	105	111340	19.651	ug/l	98
86) p-Isopropyltoluene	13.367	119	92709	20.729	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	50441	20.542	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	50336	19.719	ug/l	98
89) n-Butylbenzene	13.696	91	84865	19.653	ug/l	99
90) Hexachloroethane	13.958	117	19043	19.855	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	45598	20.645	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3198	16.754	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	25064	19.944	ug/l	99
94) Hexachlorobutadiene	15.111	225	15176	21.384	ug/l	99
95) Naphthalene	15.233	128	50309	18.652	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	22638	20.142	ug/l	98

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

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