

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092822\
 Data File : VY010708.D
 Acq On : 28 Sep 2022 12:05
 Operator : KP/MD
 Sample : VY0928SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0928SBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/29/2022
 Supervised By :Mahesh Dadoda 09/30/2022

Quant Time: Sep 29 01:11:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	238658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	386367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	347936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	171732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	114292	50.069	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	100.140%		
35) Dibromofluoromethane	7.716	113	106630	43.244	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.480%		
50) Toluene-d8	10.179	98	417838	46.110	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.220%		
62) 4-Bromofluorobenzene	12.477	95	140036	40.914	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	81.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	26474	20.546	ug/l	100
3) Chloromethane	2.113	50	41260	22.934	ug/l	97
4) Vinyl Chloride	2.247	62	49371	21.333	ug/l	99
5) Bromomethane	2.637	94	33297	20.400	ug/l	96
6) Chloroethane	2.784	64	34175	20.328	ug/l	100
7) Trichlorofluoromethane	3.119	101	64061	20.428	ug/l	93
8) Diethyl Ether	3.527	74	20954	19.488	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.893	101	38404	20.349	ug/l	94
10) Methyl Iodide	4.082	142	41027	18.817	ug/l	94
11) Tert butyl alcohol	4.948	59	20946	95.650	ug/l	99
12) 1,1-Dichloroethene	3.863	96	33787	20.049	ug/l	90
13) Acrolein	3.723	56	7782	73.285	ug/l	99
14) Allyl chloride	4.472	41	54984	21.641	ug/l #	95
15) Acrylonitrile	5.161	53	56163	100.640	ug/l	97
16) Acetone	3.942	43	45742	98.264	ug/l	91
17) Carbon Disulfide	4.186	76	83247	22.797	ug/l	98
18) Methyl Acetate	4.472	43	32943	23.940	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	96973	18.457	ug/l	96
20) Methylene Chloride	4.710	84	61546	17.007	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	38350	20.222	ug/l	89
22) Diisopropyl ether	6.119	45	127433	21.248	ug/l	92
23) Vinyl Acetate	6.058	43	348509	98.366	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	74973	20.828	ug/l	99
25) 2-Butanone	6.984	43	70100	96.276	ug/l #	90
26) 2,2-Dichloropropane	6.978	77	67272	19.435	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	46511	19.686	ug/l	91
28) Bromochloromethane	7.332	49	18663	15.022	ug/l	90
29) Tetrahydrofuran	7.344	42	44026	98.446	ug/l #	88
30) Chloroform	7.502	83	79584	20.436	ug/l	98
31) Cyclohexane	7.777	56	62253	22.289	ug/l #	90
32) 1,1,1-Trichloroethane	7.697	97	69173	19.958	ug/l	98
36) 1,1-Dichloropropene	7.917	75	55612	20.241	ug/l	99
37) Ethyl Acetate	7.070	43	31091	19.592	ug/l	97
38) Carbon Tetrachloride	7.899	117	61141	19.354	ug/l	97
39) Methylcyclohexane	9.179	83	63461	19.735	ug/l	95
40) Benzene	8.155	78	165111	20.159	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	14118m	17.442	ug/l	
42) 1,2-Dichloroethane	8.234	62	50741	20.119	ug/l	94
43) Isopropyl Acetate	8.271	43	53424	18.366	ug/l #	90
44) Trichloroethene	8.935	130	43762	18.665	ug/l	99
45) 1,2-Dichloropropane	9.209	63	42951	20.271	ug/l	99
46) Dibromomethane	9.301	93	23507	18.892	ug/l	95
47) Bromodichloromethane	9.496	83	60674	19.748	ug/l	99
48) Methyl methacrylate	9.289	41	24006	18.695	ug/l #	87
49) 1,4-Dioxane	9.295	88	6348	346.941	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	153078	93.210	ug/l	92
52) Toluene	10.240	92	105894	19.760	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	58620	18.870	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	66829	19.295	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	34608	18.909	ug/l	98
56) Ethyl methacrylate	10.508	69	41434	17.475	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	57480	18.960	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.782	63	84513	78.283	ug/l	97
59) 2-Hexanone	10.831	43	103674	93.136	ug/l	92
60) Dibromochloromethane	10.983	129	41534	18.544	ug/l	100
61) 1,2-Dibromoethane	11.087	107	31239	18.232	ug/l	99
64) Tetrachloroethene	10.715	164	42084	18.107	ug/l	96
65) Chlorobenzene	11.514	112	114855	19.090	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	43369	18.502	ug/l	98
67) Ethyl Benzene	11.587	91	199366	18.870	ug/l	99
68) m/p-Xylenes	11.697	106	156508	38.240	ug/l	94
69) o-Xylene	12.026	106	74271	18.613	ug/l	93
70) Styrene	12.044	104	124478	18.363	ug/l	97
71) Bromoform	12.203	173	25937	17.820	ug/l #	97
73) Isopropylbenzene	12.325	105	196968	18.558	ug/l	99
74) N-amyl acetate	12.142	43	46056	17.895	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	39946	18.470	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	27811m	16.968	ug/l	
77) Bromobenzene	12.605	156	45977	18.207	ug/l	98
78) n-propylbenzene	12.666	91	243248	19.241	ug/l	99
79) 2-Chlorotoluene	12.751	91	136232	18.912	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	170519	19.015	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	12789	17.349	ug/l	94
82) 4-Chlorotoluene	12.849	91	140473	18.885	ug/l	99
83) tert-Butylbenzene	13.068	119	148134	18.470	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	170054	19.088	ug/l	99
85) sec-Butylbenzene	13.251	105	221976	18.898	ug/l	99
86) p-Isopropyltoluene	13.367	119	181314	18.472	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	94476	18.432	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	93071	18.347	ug/l	98
89) n-Butylbenzene	13.690	91	170963	18.973	ug/l	100
90) Hexachloroethane	13.959	117	37564	19.932	ug/l	85
91) 1,2-Dichlorobenzene	13.733	146	82957	18.169	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6444	17.856	ug/l	89
93) 1,2,4-Trichlorobenzene	15.001	180	47305	16.984	ug/l	97
94) Hexachlorobutadiene	15.111	225	30289	17.892	ug/l	99
95) Naphthalene	15.233	128	91161	16.243	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	41095	16.945	ug/l	99

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

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