

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092822\
 Data File : VY010712.D
 Acq On : 28 Sep 2022 13:35
 Operator : KP/MD
 Sample : VY0928SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 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 01:12:48 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	230063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	374177	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	335878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	166229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	116672	53.021	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.040%			
35) Dibromofluoromethane	7.716	113	109284	45.764	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.520%			
50) Toluene-d8	10.179	98	425613	48.336	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.680%			
62) 4-Bromofluorobenzene	12.477	95	141358	42.767	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 85.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	24447	19.380	ug/l	99
3) Chloromethane	2.113	50	38489	22.033	ug/l	97
4) Vinyl Chloride	2.247	62	46697	20.863	ug/l	100
5) Bromomethane	2.637	94	31083	19.585	ug/l	97
6) Chloroethane	2.784	64	32429	20.010	ug/l	97
7) Trichlorofluoromethane	3.119	101	60622	20.054	ug/l	95
8) Diethyl Ether	3.527	74	19545	18.857	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.899	101	36516	20.071	ug/l	95
10) Methyl Iodide	4.088	142	39304	18.701	ug/l	92
11) Tert butyl alcohol	4.948	59	24063	116.229	ug/l	98
12) 1,1-Dichloroethene	3.863	96	32416	19.954	ug/l	81
13) Acrolein	3.729	56	8728	85.264	ug/l	99
14) Allyl chloride	4.472	41	51781	21.142	ug/l #	95
15) Acrylonitrile	5.155	53	55257	102.715	ug/l	98
16) Acetone	3.942	43	50216	111.905	ug/l	92
17) Carbon Disulfide	4.186	76	79236	22.442	ug/l	100
18) Methyl Acetate	4.472	43	32113	24.233	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	93273	18.416	ug/l	97
20) Methylene Chloride	4.710	84	64214	19.686	ug/l	85
21) trans-1,2-Dichloroethene	5.216	96	36381	19.901	ug/l	92
22) Diisopropyl ether	6.112	45	121389	20.996	ug/l #	97
23) Vinyl Acetate	6.057	43	339420	99.380	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	71976	20.743	ug/l	99
25) 2-Butanone	6.984	43	73256	104.369	ug/l	91
26) 2,2-Dichloropropane	6.978	77	66452	19.915	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	44804	19.672	ug/l	91
28) Bromochloromethane	7.325	49	18568	15.340	ug/l	92
29) Tetrahydrofuran	7.344	42	44152	102.416	ug/l	89
30) Chloroform	7.502	83	76142	20.282	ug/l	100
31) Cyclohexane	7.777	56	59121	21.901	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	66483	19.898	ug/l	97
36) 1,1-Dichloropropene	7.917	75	53525	20.117	ug/l	98
37) Ethyl Acetate	7.069	43	30892	20.101	ug/l	96
38) Carbon Tetrachloride	7.892	117	58650	19.171	ug/l	99
39) Methylcyclohexane	9.179	83	60038	19.279	ug/l	93
40) Benzene	8.155	78	157118	19.808	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	14871m	18.971	ug/l	
42) 1,2-Dichloroethane	8.234	62	48502	19.857	ug/l	93
43) Isopropyl Acetate	8.270	43	52502	18.637	ug/l #	89
44) Trichloroethene	8.935	130	42601	18.762	ug/l	93
45) 1,2-Dichloropropane	9.215	63	40875	19.920	ug/l	100
46) Dibromomethane	9.301	93	22989	19.078	ug/l	96
47) Bromodichloromethane	9.496	83	57937	19.472	ug/l	99
48) Methyl methacrylate	9.289	41	23522	18.915	ug/l #	84
49) 1,4-Dioxane	9.295	88	5980	337.476	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	153104	96.263	ug/l	92
52) Toluene	10.240	92	99927	19.254	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	56737	18.859	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	63504	18.932	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	32878	18.549	ug/l	98
56) Ethyl methacrylate	10.508	69	41460	18.056	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	57394	19.548	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	85780	81.061	ug/l	96
59) 2-Hexanone	10.831	43	103824	96.309	ug/l	90
60) Dibromochloromethane	10.983	129	40095	18.485	ug/l	98
61) 1,2-Dibromoethane	11.087	107	30530	18.398	ug/l	100
64) Tetrachloroethene	10.715	164	41056	18.298	ug/l	98
65) Chlorobenzene	11.514	112	108431	18.669	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	40760	18.014	ug/l	96
67) Ethyl Benzene	11.587	91	189538	18.584	ug/l	100
68) m/p-Xylenes	11.697	106	148680	37.631	ug/l	95
69) o-Xylene	12.026	106	70169	18.216	ug/l	93
70) Styrene	12.038	104	119965	18.333	ug/l	96
71) Bromoform	12.203	173	25036	17.819	ug/l #	99
73) Isopropylbenzene	12.325	105	188932	18.391	ug/l	99
74) N-amyl acetate	12.142	43	43947	17.641	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	39373	18.808	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	33258m	20.963	ug/l	
77) Bromobenzene	12.605	156	42740	17.485	ug/l	98
78) n-propylbenzene	12.666	91	230080	18.802	ug/l	98
79) 2-Chlorotoluene	12.751	91	129056	18.509	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	161106	18.560	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	12607	17.668	ug/l	93
82) 4-Chlorotoluene	12.849	91	133391	18.527	ug/l	99
83) tert-Butylbenzene	13.074	119	139406	17.957	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	161784	18.761	ug/l	98
85) sec-Butylbenzene	13.251	105	211499	18.602	ug/l	99
86) p-Isopropyltoluene	13.367	119	171219	18.021	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	88139	17.765	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	87995	17.920	ug/l	98
89) n-Butylbenzene	13.690	91	159674	18.307	ug/l	100
90) Hexachloroethane	13.958	117	34573	18.952	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	78520	17.766	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6385	18.278	ug/l	89
93) 1,2,4-Trichlorobenzene	15.001	180	44090	16.354	ug/l	99
94) Hexachlorobutadiene	15.111	225	27955	17.060	ug/l	98
95) Naphthalene	15.233	128	84433	15.543	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	38262	16.299	ug/l	98

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

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