

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101122\
 Data File : VY010909.D
 Acq On : 11 Oct 2022 11:38
 Operator : KP/MD
 Sample : VY1011SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/12/2022
 Supervised By :Mahesh Dadoda 10/12/2022

Quant Time: Oct 12 04:44:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	268396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	430465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	383021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	185460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	142339	52.320	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.640%			
35) Dibromofluoromethane	7.710	113	137148	47.997	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.000%			
50) Toluene-d8	10.179	98	526542	53.882	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.760%			
62) 4-Bromofluorobenzene	12.477	95	178672	46.545	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	36737	19.757	ug/l	95
3) Chloromethane	2.113	50	58578	18.941	ug/l	95
4) Vinyl Chloride	2.247	62	67750	18.193	ug/l	100
5) Bromomethane	2.637	94	48918	18.512	ug/l	99
6) Chloroethane	2.784	64	45796	18.453	ug/l	98
7) Trichlorofluoromethane	3.119	101	94291	20.791	ug/l	92
8) Diethyl Ether	3.527	74	32735	22.437	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.893	101	57105	21.963	ug/l	93
10) Methyl Iodide	4.088	142	68239	19.633	ug/l	91
11) Tert butyl alcohol	4.936	59	46450	181.287	ug/l #	95
12) 1,1-Dichloroethene	3.863	96	54281	21.391	ug/l	86
13) Acrolein	3.723	56	20203	98.931	ug/l	99
14) Allyl chloride	4.472	41	84766	22.315	ug/l #	90
15) Acrylonitrile	5.155	53	81940	115.281	ug/l	98
16) Acetone	3.942	43	73318	106.113	ug/l #	86
17) Carbon Disulfide	4.192	76	166972	20.361	ug/l	100
18) Methyl Acetate	4.472	43	43150	24.448	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	145692	21.933	ug/l	97
20) Methylene Chloride	4.710	84	97580	30.155	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	63867	21.554	ug/l	86
22) Diisopropyl ether	6.118	45	183713	22.052	ug/l #	91
23) Vinyl Acetate	6.057	43	539457	106.902	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	111146	21.909	ug/l	99
25) 2-Butanone	6.978	43	110013	110.747	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	103162	21.423	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	71045	21.605	ug/l	92
28) Bromochloromethane	7.332	49	22764	15.689	ug/l	89
29) Tetrahydrofuran	7.344	42	66188	113.305	ug/l #	85
30) Chloroform	7.502	83	114497	21.869	ug/l	100
31) Cyclohexane	7.783	56	99070	20.345	ug/l	88
32) 1,1,1-Trichloroethane	7.697	97	101838	21.592	ug/l	97
36) 1,1-Dichloropropene	7.917	75	87250	21.151	ug/l	97
37) Ethyl Acetate	7.069	43	46818	23.129	ug/l #	93
38) Carbon Tetrachloride	7.899	117	90073	20.965	ug/l	98
39) Methylcyclohexane	9.179	83	101898	20.111	ug/l	95
40) Benzene	8.161	78	256181	21.559	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	21299	19.618	ug/l #	39
42) 1,2-Dichloroethane	8.234	62	73066	21.750	ug/l	92
43) Isopropyl Acetate	8.270	43	81813	22.331	ug/l #	90
44) Trichloroethene	8.935	130	69980	21.750	ug/l	100
45) 1,2-Dichloropropane	9.215	63	62342	21.763	ug/l	99
46) Dibromomethane	9.307	93	36591	22.332	ug/l	96
47) Bromodichloromethane	9.496	83	86953	21.990	ug/l	100
48) Methyl methacrylate	9.289	41	36352	21.125	ug/l #	82
49) 1,4-Dioxane	9.295	88	9716	481.701	ug/l #	88
51) 4-Methyl-2-Pentanone	10.069	43	224658	112.081	ug/l	90
52) Toluene	10.240	92	160862	21.271	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	88240	21.554	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	102052	21.768	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	51027	22.194	ug/l	98
56) Ethyl methacrylate	10.508	69	64448	21.817	ug/l #	78
57) 1,3-Dichloropropane	10.788	76	86399	22.103	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	115013	93.702	ug/l	95
59) 2-Hexanone	10.831	43	153769	110.765	ug/l	87
60) Dibromochloromethane	10.983	129	60424	21.920	ug/l	100
61) 1,2-Dibromoethane	11.087	107	49243	22.463	ug/l	98
64) Tetrachloroethene	10.715	164	65869	21.689	ug/l	98
65) Chlorobenzene	11.514	112	169984	21.431	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	61781	21.310	ug/l	97
67) Ethyl Benzene	11.593	91	302699	21.205	ug/l	98
68) m/p-Xylenes	11.697	106	236093	42.261	ug/l	94
69) o-Xylene	12.026	106	110085	21.077	ug/l	94
70) Styrene	12.044	104	186677	21.207	ug/l	95
71) Bromoform	12.203	173	37293	21.610	ug/l #	99
73) Isopropylbenzene	12.325	105	290408	21.300	ug/l	100
74) N-amyl acetate	12.142	43	68632	21.903	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	57334	22.508	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	42939m	22.863	ug/l	
77) Bromobenzene	12.605	156	67967	21.731	ug/l	97
78) n-propylbenzene	12.666	91	354499	21.349	ug/l	99
79) 2-Chlorotoluene	12.751	91	198442	21.361	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	248948	21.588	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	19800	22.022	ug/l	89
82) 4-Chlorotoluene	12.855	91	205524	21.157	ug/l	99
83) tert-Butylbenzene	13.075	119	211808	21.545	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	247668	21.845	ug/l	100
85) sec-Butylbenzene	13.251	105	314819	21.273	ug/l	100
86) p-Isopropyltoluene	13.367	119	259942	20.936	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	134585	21.200	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	134269	21.360	ug/l	99
89) n-Butylbenzene	13.696	91	243157	21.282	ug/l	100
90) Hexachloroethane	13.958	117	50881	21.425	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	119708	21.635	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9692	23.661	ug/l	88
93) 1,2,4-Trichlorobenzene	15.001	180	71188	21.927	ug/l	99
94) Hexachlorobutadiene	15.111	225	42379	21.171	ug/l	99
95) Naphthalene	15.233	128	145246	23.474	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	61907	22.369	ug/l	99

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

