

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112122\
 Data File : VY011517.D
 Acq On : 21 Nov 2022 12:30
 Operator : KP/MD
 Sample : VY1121SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1121SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/22/2022
 Supervised By :Mahesh Dadoda 11/25/2022

Quant Time: Nov 21 12:56:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	192264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	306847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	275384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	89402	45.795	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.580%		
35) Dibromofluoromethane	7.716	113	87613	46.382	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.760%		
50) Toluene-d8	10.179	98	312722	45.558	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.120%		
62) 4-Bromofluorobenzene	12.483	95	117595	46.336	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31664	27.401	ug/l	98
3) Chloromethane	2.113	50	41932	23.285	ug/l	98
4) Vinyl Chloride	2.253	62	47201	21.705	ug/l	96
5) Bromomethane	2.644	94	31864	20.605	ug/l	93
6) Chloroethane	2.796	64	31329	20.649	ug/l	97
7) Trichlorofluoromethane	3.131	101	72319	22.672	ug/l	97
8) Diethyl Ether	3.534	74	23167	22.472	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.906	101	40805	22.122	ug/l	94
10) Methyl Iodide	4.095	142	47292	22.007	ug/l	94
11) Tert butyl alcohol	4.948	59	27804	115.345	ug/l #	90
12) 1,1-Dichloroethene	3.875	96	38479	22.774	ug/l	87
13) Acrolein	3.735	56	7156	139.017	ug/l	99
14) Allyl chloride	4.479	41	66553	22.438	ug/l	95
15) Acrylonitrile	5.168	53	57938	102.893	ug/l	99
16) Acetone	3.948	43	61470	96.937	ug/l	90
17) Carbon Disulfide	4.198	76	108672	23.207	ug/l	99
18) Methyl Acetate	4.485	43	34454	22.136	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	103412	21.446	ug/l	97
20) Methylene Chloride	4.722	84	70206	23.941	ug/l	87
21) trans-1,2-Dichloroethene	5.222	96	42724	21.882	ug/l	91
22) Diisopropyl ether	6.125	45	143974	22.238	ug/l	95
23) Vinyl Acetate	6.064	43	404946	107.373	ug/l	97
24) 1,1-Dichloroethane	6.027	63	82389	21.674	ug/l	98
25) 2-Butanone	6.984	43	83121	99.740	ug/l	96
26) 2,2-Dichloropropane	6.984	77	73906	21.065	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	49927	21.721	ug/l	93
28) Bromochloromethane	7.338	49	31670	20.738	ug/l	95
29) Tetrahydrofuran	7.350	42	47762	101.483	ug/l	95
30) Chloroform	7.509	83	84747	21.497	ug/l	97
31) Cyclohexane	7.789	56	69880	21.595	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	75012	21.271	ug/l	98
36) 1,1-Dichloropropene	7.917	75	61708	20.899	ug/l	98
37) Ethyl Acetate	7.076	43	34515	20.528	ug/l	98
38) Carbon Tetrachloride	7.905	117	67721	20.500	ug/l	99
39) Methylcyclohexane	9.185	83	71051	21.563	ug/l	94
40) Benzene	8.161	78	181533	21.106	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	18401	21.646	ug/l #	42
42) 1,2-Dichloroethane	8.240	62	53430	20.087	ug/l	94
43) Isopropyl Acetate	8.277	43	60248	19.863	ug/l	94
44) Trichloroethene	8.941	130	47667	20.598	ug/l	92
45) 1,2-Dichloropropane	9.216	63	46192	21.011	ug/l	98
46) Dibromomethane	9.307	93	24988	20.328	ug/l	97
47) Bromodichloromethane	9.496	83	63435	20.487	ug/l	99
48) Methyl methacrylate	9.295	41	27100	20.115	ug/l	91
49) 1,4-Dioxane	9.295	88	5771	379.096	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	161804	95.963	ug/l	94
52) Toluene	10.246	92	114828	21.112	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	61829	19.977	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	72221	20.742	ug/l #	87
55) 1,1,2-Trichloroethane	10.648	97	35549	20.214	ug/l	99
56) Ethyl methacrylate	10.508	69	43350	19.820	ug/l #	87
57) 1,3-Dichloropropane	10.788	76	61465	20.637	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	111519	104.107	ug/l	99
59) 2-Hexanone	10.831	43	115984	96.380	ug/l	93
60) Dibromochloromethane	10.990	129	42906	19.908	ug/l	100
61) 1,2-Dibromoethane	11.087	107	32199	20.059	ug/l	99
64) Tetrachloroethene	10.721	164	47134	20.770	ug/l	98
65) Chlorobenzene	11.514	112	121845	21.130	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	45401	20.773	ug/l	97
67) Ethyl Benzene	11.593	91	220137	21.142	ug/l	100
68) m/p-Xylenes	11.703	106	169249	42.701	ug/l	97
69) o-Xylene	12.032	106	77997	21.136	ug/l	98
70) Styrene	12.044	104	133059	21.124	ug/l	97
71) Bromoform	12.209	173	26189	19.696	ug/l #	97
73) Isopropylbenzene	12.331	105	214274	21.256	ug/l	100
74) N-amyl acetate	12.142	43	50884	20.440	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	40209	20.242	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	27547m	18.351	ug/l	
77) Bromobenzene	12.611	156	49308	20.947	ug/l	98
78) n-propylbenzene	12.672	91	266953	21.706	ug/l	100
79) 2-Chlorotoluene	12.758	91	150095	21.653	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	183850	21.635	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	14145	20.640	ug/l	88
82) 4-Chlorotoluene	12.855	91	154178	21.271	ug/l	99
83) tert-Butylbenzene	13.075	119	154275	20.843	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	183055	21.811	ug/l	99
85) sec-Butylbenzene	13.258	105	237869	21.539	ug/l	99
86) p-Isopropyltoluene	13.373	119	197371	21.414	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	100406	20.954	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	98602	20.579	ug/l	99
89) n-Butylbenzene	13.696	91	184196	21.740	ug/l	99
90) Hexachloroethane	13.965	117	38264	20.559	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	88648	20.870	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6219	19.090	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	49662	21.079	ug/l	99
94) Hexachlorobutadiene	15.111	225	31593	21.573	ug/l	97
95) Naphthalene	15.239	128	89416	20.669	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	42074	20.839	ug/l	98

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

