

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007945.D
 Acq On : 21 Mar 2022 11:24
 Operator : SY/MD
 Sample : VY0321SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0321SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/22/2022
 Supervised By : Mahesh Dadoda 03/22/2022

Quant Time: Mar 21 19:03:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	245473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	422031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	377914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	182550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	132161	47.220	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.440%		
35) Dibromofluoromethane	7.716	113	136739	46.135	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.260%		
50) Toluene-d8	10.179	98	467862	52.601	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.200%		
62) 4-Bromofluorobenzene	12.483	95	182576	42.921	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	85.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	42260	23.944	ug/l	98
3) Chloromethane	2.113	50	56596	25.742	ug/l	96
4) Vinyl Chloride	2.253	62	70261	26.501	ug/l	97
5) Bromomethane	2.644	94	54545	30.943	ug/l	95
6) Chloroethane	2.796	64	47585	23.704	ug/l	99
7) Trichlorofluoromethane	3.125	101	100460	22.321	ug/l	94
8) Diethyl Ether	3.528	74	37278	22.317	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.899	101	64142	22.065	ug/l	90
10) Methyl Iodide	4.088	142	52555	19.558	ug/l	91
11) Tert butyl alcohol	4.960	59	36395	111.620	ug/l #	93
12) 1,1-Dichloroethene	3.869	96	58054	21.780	ug/l #	78
13) Acrolein	3.729	56	23979	122.100	ug/l	96
14) Allyl chloride	4.485	41	97395	21.724	ug/l #	90
15) Acrylonitrile	5.161	53	97190	109.181	ug/l	98
16) Acetone	3.948	43	80376	108.252	ug/l #	82
17) Carbon Disulfide	4.198	76	143287	25.555	ug/l	100
18) Methyl Acetate	4.479	43	51790	26.602	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	184285	22.041	ug/l	96
20) Methylene Chloride	4.716	84	73761	23.126	ug/l	87
21) trans-1,2-Dichloroethene	5.222	96	65596	21.982	ug/l	90
22) Diisopropyl ether	6.119	45	213149	22.099	ug/l	95
23) Vinyl Acetate	6.064	43	670300	110.954	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	120455	22.172	ug/l	98
25) 2-Butanone	6.984	43	129048	108.507	ug/l #	83
26) 2,2-Dichloropropane	6.978	77	110695	21.983	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	79544	22.208	ug/l	88
28) Bromochloromethane	7.332	49	46606	21.719	ug/l #	87
29) Tetrahydrofuran	7.350	42	83522	109.603	ug/l #	87
30) Chloroform	7.509	83	128288	22.845	ug/l	98
31) Cyclohexane	7.789	56	109156	24.360	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	112653	22.273	ug/l	97
36) 1,1-Dichloropropene	7.917	75	92658	21.078	ug/l	97
37) Ethyl Acetate	7.076	43	55544	20.707	ug/l #	92
38) Carbon Tetrachloride	7.905	117	99247	21.128	ug/l	96
39) Methylcyclohexane	9.185	83	117799	22.425	ug/l	90
40) Benzene	8.161	78	272153	21.186	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	28170m	17.029	ug/l	
42) 1,2-Dichloroethane	8.240	62	79190	21.291	ug/l	93
43) Isopropyl Acetate	8.271	43	108256	20.934	ug/l #	92
44) Trichloroethene	8.941	130	73971	20.824	ug/l	91
45) 1,2-Dichloropropane	9.216	63	70041	21.057	ug/l	98
46) Dibromomethane	9.307	93	41638	21.398	ug/l	91
47) Bromodichloromethane	9.496	83	100200	21.315	ug/l	99
48) Methyl methacrylate	9.295	41	47275	20.551	ug/l #	86
49) 1,4-Dioxane	9.301	88	12073	438.091	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	284581	104.452	ug/l	90
52) Toluene	10.246	92	174053	21.098	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	105199	20.978	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	115863	20.718	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	58714	20.769	ug/l	99
56) Ethyl methacrylate	10.514	69	83762	20.639	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	101017	21.427	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	196015	98.453	ug/l	95
59) 2-Hexanone	10.831	43	200171	102.740	ug/l	89
60) Dibromochloromethane	10.984	129	70443	20.805	ug/l	100
61) 1,2-Dibromoethane	11.093	107	57066	20.866	ug/l	99
64) Tetrachloroethene	10.721	164	58353	19.843	ug/l	96
65) Chlorobenzene	11.520	112	187947	20.761	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	69308	20.334	ug/l	96
67) Ethyl Benzene	11.593	91	340378	21.107	ug/l	97
68) m/p-Xylenes	11.703	106	261342	41.545	ug/l	94
69) o-Xylene	12.032	106	127654	20.979	ug/l	93
70) Styrene	12.044	104	211372	20.662	ug/l	96
71) Bromoform	12.209	173	42052	19.262	ug/l #	98
73) Isopropylbenzene	12.331	105	341245	21.237	ug/l	100
74) N-amyl acetate	12.142	43	98224	20.720	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	72477	20.954	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	57577m	22.128	ug/l	
77) Bromobenzene	12.611	156	72569	19.764	ug/l	94
78) n-propylbenzene	12.672	91	410829	21.173	ug/l	100
79) 2-Chlorotoluene	12.758	91	227086	20.802	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	275581	20.855	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	25121	20.279	ug/l	85
82) 4-Chlorotoluene	12.855	91	233679	20.606	ug/l	98
83) tert-Butylbenzene	13.075	119	246977	20.886	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	272719	21.054	ug/l	99
85) sec-Butylbenzene	13.257	105	377814	21.319	ug/l	99
86) p-Isopropyltoluene	13.373	119	303112	21.069	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	149018	20.780	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	149401	20.786	ug/l	98
89) n-Butylbenzene	13.696	91	295126	21.376	ug/l	99
90) Hexachloroethane	13.965	117	59640	20.769	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	132955	20.612	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11804	19.837	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	75901	18.614	ug/l	96
94) Hexachlorobutadiene	15.117	225	39015	17.935	ug/l	98
95) Naphthalene	15.239	128	178418	19.612	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	67087	18.654	ug/l	98

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

