

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030322\
 Data File : VY007720.D
 Acq On : 03 Mar 2022 22:36
 Operator : SY/MD
 Sample : VY0303SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS02

Quant Time: Mar 04 00:45:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/04/2022
 Supervised By : Mahesh Dadoda 03/04/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	399836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	623906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	565247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	280200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	186249	44.494	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.980%		
35) Dibromofluoromethane	7.722	113	190050	47.646	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.300%		
50) Toluene-d8	10.179	98	665765	45.342	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.680%		
62) 4-Bromofluorobenzene	12.483	95	217205	45.892	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	60586	20.931	ug/l	98
3) Chloromethane	2.113	50	83152	15.918	ug/l	94
4) Vinyl Chloride	2.253	62	114285	19.053	ug/l	99
5) Bromomethane	2.644	94	115976	23.923	ug/l	96
6) Chloroethane	2.796	64	84043	18.270	ug/l	100
7) Trichlorofluoromethane	3.131	101	133761	19.517	ug/l	92
8) Diethyl Ether	3.534	74	44813	20.321	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.899	101	83880	20.050	ug/l	97
10) Methyl Iodide	4.095	142	97437	19.143	ug/l	92
11) Tert butyl alcohol	4.966	59	32181	88.797	ug/l #	89
12) 1,1-Dichloroethene	3.881	96	73942	19.915	ug/l #	80
13) Acrolein	3.735	56	34454	88.257	ug/l	94
14) Allyl chloride	4.485	41	97913	17.532	ug/l #	83
15) Acrylonitrile	5.161	53	106007	91.068	ug/l	99
16) Acetone	3.954	43	76540	89.885	ug/l	98
17) Carbon Disulfide	4.198	76	193527	19.301	ug/l	99
18) Methyl Acetate	4.485	43	50093	16.311	ug/l #	84
19) Methyl tert-butyl Ether	5.229	73	225172	19.540	ug/l	94
20) Methylene Chloride	4.716	84	101056	22.311	ug/l #	81
21) trans-1,2-Dichloroethene	5.229	96	86602	19.989	ug/l	83
22) Diisopropyl ether	6.119	45	247948	18.585	ug/l #	94
23) Vinyl Acetate	6.064	43	774659	91.817	ug/l #	87
24) 1,1-Dichloroethane	6.015	63	156416	19.404	ug/l	99
25) 2-Butanone	6.990	43	129035	90.331	ug/l #	84
26) 2,2-Dichloropropane	6.984	77	135373	18.871	ug/l	95
27) cis-1,2-Dichloroethene	6.990	96	104726	20.615	ug/l	85
28) Bromochloromethane	7.338	49	57452	16.758	ug/l #	77
29) Tetrahydrofuran	7.350	42	86315	88.310	ug/l #	79
30) Chloroform	7.509	83	170967	20.471	ug/l	100
31) Cyclohexane	7.783	56	132538	18.021	ug/l	89
32) 1,1,1-Trichloroethane	7.704	97	153828	20.696	ug/l	96
36) 1,1-Dichloropropene	7.917	75	119655	19.069	ug/l	96
37) Ethyl Acetate	7.076	43	59936	17.294	ug/l #	94
38) Carbon Tetrachloride	7.899	117	136801	20.438	ug/l	98
39) Methylcyclohexane	9.179	83	151155	19.601	ug/l	88
40) Benzene	8.161	78	350285	20.059	ug/l	98

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41) Methacrylonitrile	7.314	41	28079m	16.954	ug/l	
42) 1,2-Dichloroethane	8.234	62	111165	20.401	ug/l	93
43) Isopropyl Acetate	8.271	43	116112	18.116	ug/l #	89
44) Trichloroethene	8.941	130	102279	21.089	ug/l	99
45) 1,2-Dichloropropane	9.216	63	88048	19.497	ug/l	98
46) Dibromomethane	9.307	93	57445	21.191	ug/l	97
47) Bromodichloromethane	9.496	83	132663	20.865	ug/l	98
48) Methyl methacrylate	9.295	41	47603	17.135	ug/l #	73
49) 1,4-Dioxane	9.295	88	12476	381.224	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	302934	88.335	ug/l	89
52) Toluene	10.246	92	227032	20.107	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	127789	19.576	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	143072	19.838	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	76911	20.855	ug/l	97
56) Ethyl methacrylate	10.508	69	93758	19.149	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	125902	20.189	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	232218	86.968	ug/l	93
59) 2-Hexanone	10.831	43	205759	89.096	ug/l	86
60) Dibromochloromethane	10.984	129	94198	21.451	ug/l	99
61) 1,2-Dibromoethane	11.087	107	73270	20.845	ug/l	100
64) Tetrachloroethene	10.721	164	86884	20.737	ug/l	97
65) Chlorobenzene	11.514	112	255184	20.722	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	97579	21.189	ug/l	97
67) Ethyl Benzene	11.593	91	443044	19.950	ug/l	100
68) m/p-Xylenes	11.703	106	348790	40.932	ug/l	92
69) o-Xylene	12.026	106	163296	20.223	ug/l	92
70) Styrene	12.044	104	273148	20.202	ug/l	95
71) Bromoform	12.209	173	59329	20.691	ug/l #	100
73) Isopropylbenzene	12.331	105	441281	20.215	ug/l	99
74) N-amyl acetate	12.142	43	102043	17.561	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	89346	19.515	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	62720m	20.044	ug/l	
77) Bromobenzene	12.605	156	107398	21.360	ug/l	89
78) n-propylbenzene	12.672	91	526731	19.997	ug/l	98
79) 2-Chlorotoluene	12.758	91	285994	20.290	ug/l	94
80) 1,3,5-Trimethylbenzene	12.813	105	364834	20.902	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	26801	17.510	ug/l	89
82) 4-Chlorotoluene	12.855	91	291401	20.099	ug/l	95
83) tert-Butylbenzene	13.075	119	331377	20.640	ug/l	90
84) 1,2,4-Trimethylbenzene	13.117	105	371964	21.635	ug/l	97
85) sec-Butylbenzene	13.251	105	478740	20.157	ug/l	99
86) p-Isopropyltoluene	13.367	119	399791	20.381	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	209823	20.971	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	205971	20.858	ug/l	99
89) n-Butylbenzene	13.697	91	366599	19.774	ug/l	98
90) Hexachloroethane	13.959	117	77933	20.959	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	187012	21.050	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12645	18.238	ug/l	71
93) 1,2,4-Trichlorobenzene	15.007	180	116101	20.642	ug/l	99
94) Hexachlorobutadiene	15.111	225	69317	20.845	ug/l	97
95) Naphthalene	15.233	128	245838	21.485	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	104653	20.877	ug/l	100

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

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