

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY009024.D
 Acq On : 23 May 2022 22:52
 Operator : KP/MD
 Sample : VY0523SBS03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0523SBS03

Quant Time: May 24 01:52:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	107296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	180697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	174663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	95070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	45454	41.162	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.320%		
35) Dibromofluoromethane	7.716	113	46475	41.361	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.720%		
50) Toluene-d8	10.179	98	150220	36.239	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	72.480%		
62) 4-Bromofluorobenzene	12.477	95	69321	41.456	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	82.920%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	19608	19.981	ug/l	99
3) Chloromethane	2.113	50	32534	23.141	ug/l	96
4) Vinyl Chloride	2.247	62	48208	23.145	ug/l	99
5) Bromomethane	2.625	94	51684	25.314	ug/l	98
6) Chloroethane	2.784	64	36222	24.547	ug/l	99
7) Trichlorofluoromethane	3.119	101	37272	21.071	ug/l	97
8) Diethyl Ether	3.521	74	11804	21.342	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.893	101	22171	20.394	ug/l	94
10) Methyl Iodide	4.082	142	21819	19.437	ug/l	89
11) Tert butyl alcohol	4.942	59	12020	107.313	ug/l	97
12) 1,1-Dichloroethene	3.869	96	20898	20.708	ug/l	89
13) Acrolein	3.729	56	4838	131.223	ug/l	99
14) Allyl chloride	4.472	41	30419	20.001	ug/l #	87
15) Acrylonitrile	5.149	53	33158	107.071	ug/l	97
16) Acetone	3.936	43	25027	108.878	ug/l	99
17) Carbon Disulfide	4.192	76	64651	19.609	ug/l	96
18) Methyl Acetate	4.478	43	16678	23.300	ug/l #	91
19) Methyl tert-butyl Ether	5.216	73	62709	20.702	ug/l	95
20) Methylene Chloride	4.710	84	34843	22.734	ug/l	87
21) trans-1,2-Dichloroethene	5.210	96	25132	19.402	ug/l	86
22) Diisopropyl ether	6.112	45	74246	20.320	ug/l	96
23) Vinyl Acetate	6.057	43	242708	100.418	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	44867	20.530	ug/l	98
25) 2-Butanone	6.978	43	43540	106.050	ug/l	91
26) 2,2-Dichloropropane	6.972	77	36711	18.235	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	29238	20.023	ug/l	89
28) Bromochloromethane	7.332	49	16665	22.216	ug/l #	91
29) Tetrahydrofuran	7.344	42	28339	101.616	ug/l #	86
30) Chloroform	7.502	83	48730	20.656	ug/l	96
31) Cyclohexane	7.783	56	40554	18.772	ug/l	85
32) 1,1,1-Trichloroethane	7.697	97	43118	20.146	ug/l	99
36) 1,1-Dichloropropene	7.917	75	37162	19.434	ug/l	99
37) Ethyl Acetate	7.069	43	19499	19.658	ug/l #	95
38) Carbon Tetrachloride	7.892	117	36945	18.469	ug/l	98
39) Methylcyclohexane	9.179	83	45371	18.382	ug/l	91
40) Benzene	8.161	78	108596	19.694	ug/l	95

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41) Methacrylonitrile	7.319	41	10932m	21.357	ug/l	
42) 1,2-Dichloroethane	8.234	62	33328	20.583	ug/l	94
43) Isopropyl Acetate	8.270	43	37375	20.264	ug/l #	92
44) Trichloroethene	8.935	130	28432	19.473	ug/l	96
45) 1,2-Dichloropropane	9.215	63	26459	19.984	ug/l	98
46) Dibromomethane	9.301	93	16638	19.763	ug/l	90
47) Bromodichloromethane	9.496	83	38581	20.052	ug/l	97
48) Methyl methacrylate	9.289	41	16935	20.563	ug/l #	87
49) 1,4-Dioxane	9.289	88	4565	405.626	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	105391	103.248	ug/l	94
52) Toluene	10.240	92	72157	18.725	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	38412	18.800	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	43122	19.632	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	23325	19.803	ug/l	96
56) Ethyl methacrylate	10.508	69	28150	18.693	ug/l	90
57) 1,3-Dichloropropane	10.788	76	38599	20.089	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.776	63	64558	99.093	ug/l	96
59) 2-Hexanone	10.831	43	71474	102.269	ug/l	91
60) Dibromochloromethane	10.983	129	27890	19.534	ug/l	97
61) 1,2-Dibromoethane	11.087	107	21913	18.774	ug/l	99
64) Tetrachloroethene	10.715	164	24817	19.521	ug/l	96
65) Chlorobenzene	11.514	112	78013	19.460	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	29025	19.773	ug/l	97
67) Ethyl Benzene	11.593	91	137154	18.984	ug/l	100
68) m/p-Xylenes	11.703	106	109434	37.313	ug/l	92
69) o-Xylene	12.026	106	51608	18.949	ug/l	90
70) Styrene	12.044	104	87229	18.624	ug/l	94
71) Bromoform	12.203	173	17203	17.679	ug/l #	99
73) Isopropylbenzene	12.325	105	136703	19.230	ug/l	98
74) N-amyl acetate	12.142	43	34856	21.252	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	29662	20.256	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	20642m	20.219	ug/l	
77) Bromobenzene	12.605	156	31820	19.310	ug/l	98
78) n-propylbenzene	12.672	91	172122	20.957	ug/l	99
79) 2-Chlorotoluene	12.751	91	92284	19.479	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	114222	19.170	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	8984	18.062	ug/l	95
82) 4-Chlorotoluene	12.855	91	99941	19.723	ug/l	98
83) tert-Butylbenzene	13.074	119	102007	19.297	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	115188	19.474	ug/l	97
85) sec-Butylbenzene	13.251	105	158429	19.588	ug/l	98
86) p-Isopropyltoluene	13.367	119	129225	19.160	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	68973	19.621	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	68360	19.357	ug/l	99
89) n-Butylbenzene	13.696	91	124404	20.162	ug/l	99
90) Hexachloroethane	13.958	117	25804	20.416	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	61664	19.872	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4728	20.796	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	33031	19.396	ug/l	98
94) Hexachlorobutadiene	15.111	225	17711	19.082	ug/l	96
95) Naphthalene	15.233	128	66081	19.316	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	27890	18.846	ug/l	98

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

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