

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030122\
 Data File : VY007664.D
 Acq On : 01 Mar 2022 13:40
 Operator : SY/MD
 Sample : VY0301SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0301SBS01

Quant Time: Mar 02 07:49:37 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 03/02/2022
 Supervised By : Mahesh Dadoda 03/02/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	396338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	607445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	536110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	262957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	184927	44.568	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.140%		
35) Dibromofluoromethane	7.716	113	187259	48.218	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.440%		
50) Toluene-d8	10.179	98	687600	48.098	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.200%		
62) 4-Bromofluorobenzene	12.477	95	220349	47.817	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	63086	22.192	ug/l	96
3) Chloromethane	2.113	50	94435	19.299	ug/l	94
4) Vinyl Chloride	2.253	62	123205	20.721	ug/l	97
5) Bromomethane	2.650	94	104847	21.818	ug/l	96
6) Chloroethane	2.790	64	90090	19.757	ug/l	97
7) Trichlorofluoromethane	3.125	101	140825	20.730	ug/l	96
8) Diethyl Ether	3.528	74	41244	18.868	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.900	101	84384	20.348	ug/l	97
10) Methyl Iodide	4.088	142	104999	20.811	ug/l	93
11) Tert butyl alcohol	4.960	59	30176	83.999	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	75249	20.446	ug/l	81
13) Acrolein	3.729	56	37529	101.204	ug/l	98
14) Allyl chloride	4.479	41	106466	19.232	ug/l #	87
15) Acrylonitrile	5.168	53	102113	88.497	ug/l	98
16) Acetone	3.954	43	69867	82.773	ug/l	97
17) Carbon Disulfide	4.198	76	208858	21.366	ug/l	100
18) Methyl Acetate	4.479	43	48652	15.853	ug/l #	86
19) Methyl tert-butyl Ether	5.222	73	209358	18.328	ug/l	98
20) Methylene Chloride	4.716	84	91042	19.844	ug/l #	82
21) trans-1,2-Dichloroethene	5.216	96	85502	19.910	ug/l	91
22) Diisopropyl ether	6.119	45	248721	18.807	ug/l	96
23) Vinyl Acetate	6.058	43	768679	91.912	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	156466	19.581	ug/l	99
25) 2-Butanone	6.984	43	118457	83.658	ug/l #	84
26) 2,2-Dichloropropane	6.984	77	144801	20.363	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	97115	19.285	ug/l	91
28) Bromochloromethane	7.338	49	59378	17.473	ug/l #	83
29) Tetrahydrofuran	7.344	42	83430	86.112	ug/l #	85
30) Chloroform	7.509	83	160843	19.429	ug/l	99
31) Cyclohexane	7.783	56	143046	20.003	ug/l	90
32) 1,1,1-Trichloroethane	7.704	97	149538	20.297	ug/l	98
36) 1,1-Dichloropropene	7.917	75	124518	20.382	ug/l	98
37) Ethyl Acetate	7.076	43	58864	17.445	ug/l #	94
38) Carbon Tetrachloride	7.899	117	137118	21.041	ug/l	98
39) Methylcyclohexane	9.179	83	155402	20.698	ug/l	89
40) Benzene	8.161	78	345435	20.317	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	33976m	21.071	ug/l	
42) 1,2-Dichloroethane	8.234	62	102423	19.306	ug/l	94
43) Isopropyl Acetate	8.271	43	112642	18.051	ug/l #	91
44) Trichloroethene	8.941	130	95967	20.323	ug/l	99
45) 1,2-Dichloropropane	9.216	63	86753	19.731	ug/l	94
46) Dibromomethane	9.307	93	51445	19.492	ug/l	95
47) Bromodichloromethane	9.496	83	118553	19.152	ug/l	98
48) Methyl methacrylate	9.289	41	46668	17.254	ug/l #	83
49) 1,4-Dioxane	9.295	88	11684	366.698	ug/l	85
51) 4-Methyl-2-Pentanone	10.069	43	288241	86.329	ug/l	90
52) Toluene	10.246	92	223545	20.334	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	123459	19.425	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	139660	19.889	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	68600	19.106	ug/l	98
56) Ethyl methacrylate	10.508	69	86658	18.179	ug/l	85
57) 1,3-Dichloropropane	10.789	76	117708	19.386	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	225270	86.653	ug/l	95
59) 2-Hexanone	10.831	43	193229	85.938	ug/l	87
60) Dibromochloromethane	10.984	129	83285	19.480	ug/l	100
61) 1,2-Dibromoethane	11.087	107	65510	19.142	ug/l	99
64) Tetrachloroethene	10.715	164	82216	20.689	ug/l	97
65) Chlorobenzene	11.514	112	237297	20.317	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	89368	20.461	ug/l	99
67) Ethyl Benzene	11.593	91	426205	20.234	ug/l	99
68) m/p-Xylenes	11.703	106	333134	41.220	ug/l	91
69) o-Xylene	12.026	106	155756	20.337	ug/l	93
70) Styrene	12.044	104	253879	19.798	ug/l	95
71) Bromoform	12.209	173	50554	18.589	ug/l #	99
73) Isopropylbenzene	12.325	105	428617	20.923	ug/l	99
74) N-amyl acetate	12.142	43	96376	17.673	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	80442	18.722	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	56045m	19.085	ug/l	
77) Bromobenzene	12.605	156	97614	20.687	ug/l	90
78) n-propylbenzene	12.672	91	510794	20.663	ug/l	99
79) 2-Chlorotoluene	12.758	91	272426	20.595	ug/l	95
80) 1,3,5-Trimethylbenzene	12.813	105	338343	20.655	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	25806	17.965	ug/l	94
82) 4-Chlorotoluene	12.855	91	278198	20.447	ug/l	94
83) tert-Butylbenzene	13.075	119	314022	20.841	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	334447	20.728	ug/l	98
85) sec-Butylbenzene	13.251	105	472142	21.183	ug/l	99
86) p-Isopropyltoluene	13.367	119	384848	20.906	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	191591	20.404	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	189976	20.500	ug/l	100
89) n-Butylbenzene	13.697	91	365921	21.032	ug/l	99
90) Hexachloroethane	13.959	117	71796	20.575	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	169209	20.295	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11309	17.380	ug/l	76
93) 1,2,4-Trichlorobenzene	15.007	180	108859	20.623	ug/l	99
94) Hexachlorobutadiene	15.111	225	66087	21.176	ug/l	99
95) Naphthalene	15.233	128	203119	18.916	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	91760	19.505	ug/l	97

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

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