

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030322\
 Data File : VY007695.D
 Acq On : 03 Mar 2022 11:08
 Operator : SY/MD
 Sample : VY0303SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

Manual Integrations
 APPROVED

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

Quant Time: Mar 04 00:39:53 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

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	351140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	552308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	484925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	240634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	175223	47.665	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.340%		
35) Dibromofluoromethane	7.722	113	173916	49.253	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.500%		
50) Toluene-d8	10.179	98	630894	48.537	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.080%		
62) 4-Bromofluorobenzene	12.483	95	200650	47.889	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	58284	23.317	ug/l	95
3) Chloromethane	2.113	50	79817	18.076	ug/l	93
4) Vinyl Chloride	2.253	62	108782	20.650	ug/l	97
5) Bromomethane	2.644	94	99671	23.410	ug/l	92
6) Chloroethane	2.790	64	81342	20.135	ug/l	97
7) Trichlorofluoromethane	3.125	101	127313	21.153	ug/l	95
8) Diethyl Ether	3.534	74	40348	20.834	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.899	101	78837	21.458	ug/l	95
10) Methyl Iodide	4.094	142	91388	20.444	ug/l	91
11) Tert butyl alcohol	4.954	59	32513	102.154	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	71396	21.896	ug/l	86
13) Acrolein	3.735	56	36921	117.095	ug/l	96
14) Allyl chloride	4.479	41	103243	21.050	ug/l #	92
15) Acrylonitrile	5.161	53	106702	104.377	ug/l	99
16) Acetone	3.948	43	78469	104.930	ug/l	91
17) Carbon Disulfide	4.198	76	191808	22.292	ug/l	100
18) Methyl Acetate	4.479	43	51144	19.994	ug/l #	87
19) Methyl tert-butyl Ether	5.228	73	206018	20.357	ug/l	93
20) Methylene Chloride	4.722	84	94982	24.212	ug/l #	80
21) trans-1,2-Dichloroethene	5.222	96	80715	21.214	ug/l	86
22) Diisopropyl ether	6.125	45	245333	20.939	ug/l	95
23) Vinyl Acetate	6.064	43	776150	104.751	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	146992	20.763	ug/l	99
25) 2-Butanone	6.990	43	133632	106.523	ug/l #	89
26) 2,2-Dichloropropane	6.984	77	132007	20.953	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	95843	21.483	ug/l	87
28) Bromochloromethane	7.332	49	54409	18.072	ug/l	87
29) Tetrahydrofuran	7.350	42	89015	103.703	ug/l #	85
30) Chloroform	7.508	83	154746	21.099	ug/l	100
31) Cyclohexane	7.783	56	133833	21.364	ug/l	88
32) 1,1,1-Trichloroethane	7.710	97	136639	20.933	ug/l	97
36) 1,1-Dichloropropene	7.917	75	117984	21.240	ug/l	98
37) Ethyl Acetate	7.076	43	61329	19.990	ug/l #	94
38) Carbon Tetrachloride	7.905	117	123908	20.912	ug/l	97
39) Methylcyclohexane	9.185	83	147058	21.542	ug/l	89
40) Benzene	8.161	78	327833	21.207	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	28700m	19.576	ug/l	
42) 1,2-Dichloroethane	8.240	62	100568	20.849	ug/l	94
43) Isopropyl Acetate	8.277	43	113915	20.078	ug/l #	91
44) Trichloroethene	8.941	130	88777	20.678	ug/l	92
45) 1,2-Dichloropropane	9.216	63	84047	21.024	ug/l	95
46) Dibromomethane	9.307	93	48944	20.396	ug/l	96
47) Bromodichloromethane	9.496	83	116909	20.771	ug/l	98
48) Methyl methacrylate	9.295	41	49461	20.112	ug/l #	85
49) 1,4-Dioxane	9.301	88	12747	439.997	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	307155	101.177	ug/l	90
52) Toluene	10.246	92	210284	21.038	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	117183	20.279	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	132906	20.817	ug/l #	88
55) 1,1,2-Trichloroethane	10.648	97	68167	20.880	ug/l	95
56) Ethyl methacrylate	10.508	69	88494	20.417	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	116341	21.074	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	222923	94.310	ug/l	98
59) 2-Hexanone	10.831	43	210708	103.066	ug/l	87
60) Dibromochloromethane	10.983	129	80861	20.801	ug/l	99
61) 1,2-Dibromoethane	11.087	107	63868	20.525	ug/l	98
64) Tetrachloroethene	10.721	164	75134	20.903	ug/l	94
65) Chlorobenzene	11.514	112	224154	21.217	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	85098	21.540	ug/l	97
67) Ethyl Benzene	11.593	91	404678	21.240	ug/l	98
68) m/p-Xylenes	11.703	106	311226	42.574	ug/l	93
69) o-Xylene	12.032	106	146588	21.161	ug/l	91
70) Styrene	12.044	104	241907	20.855	ug/l	96
71) Bromoform	12.209	173	52968	21.532	ug/l #	98
73) Isopropylbenzene	12.331	105	400507	21.364	ug/l	99
74) N-amyl acetate	12.142	43	98989	19.836	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	82837	21.068	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	61292m	22.808	ug/l	
77) Bromobenzene	12.605	156	92858	21.505	ug/l	92
78) n-propylbenzene	12.672	91	479505	21.197	ug/l	98
79) 2-Chlorotoluene	12.758	91	258255	21.335	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	313501	20.914	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	26322	20.024	ug/l	92
82) 4-Chlorotoluene	12.855	91	264105	21.211	ug/l	96
83) tert-Butylbenzene	13.075	119	287467	20.849	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	315876	21.393	ug/l	97
85) sec-Butylbenzene	13.251	105	441273	21.635	ug/l	99
86) p-Isopropyltoluene	13.367	119	358530	21.283	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	185809	21.624	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	183349	21.620	ug/l	98
89) n-Butylbenzene	13.696	91	339260	21.308	ug/l	99
90) Hexachloroethane	13.959	117	68099	21.326	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	162149	21.252	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11704	19.656	ug/l	76
93) 1,2,4-Trichlorobenzene	15.007	180	97990	20.286	ug/l	99
94) Hexachlorobutadiene	15.111	225	58081	20.337	ug/l	96
95) Naphthalene	15.233	128	190572	19.394	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	85619	19.888	ug/l	100

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

