

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030722\
 Data File : VY007763.D
 Acq On : 07 Mar 2022 17:53
 Operator : SY/MD
 Sample : VY0307SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0307SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/08/2022
 Supervised By : Mahesh Dadoda 03/08/2022

Quant Time: Mar 08 03:03:39 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	7.789	168	299802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	482896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	433630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	215851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	152153	48.477	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.960%		
35) Dibromofluoromethane	7.716	113	144238	46.720	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.440%		
50) Toluene-d8	10.179	98	511386	44.998	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.000%		
62) 4-Bromofluorobenzene	12.477	95	171233	46.743	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	45150	20.777	ug/l	93
3) Chloromethane	2.113	50	79375	22.254	ug/l	93
4) Vinyl Chloride	2.247	62	100181	22.274	ug/l	98
5) Bromomethane	2.637	94	97947	26.945	ug/l	99
6) Chloroethane	2.790	64	76545	22.192	ug/l	96
7) Trichlorofluoromethane	3.119	101	106747	20.773	ug/l	99
8) Diethyl Ether	3.527	74	36532	22.093	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.893	101	64858	20.676	ug/l	96
10) Methyl Iodide	4.088	142	67063	17.572	ug/l	95
11) Tert butyl alcohol	4.954	59	33571	123.541	ug/l #	90
12) 1,1-Dichloroethene	3.875	96	56033	20.127	ug/l	86
13) Acrolein	3.722	56	36174	140.672	ug/l	99
14) Allyl chloride	4.478	41	89482	21.369	ug/l #	89
15) Acrylonitrile	5.161	53	99689	114.216	ug/l	97
16) Acetone	3.942	43	77445	121.294	ug/l	94
17) Carbon Disulfide	4.186	76	153811	20.696	ug/l	96
18) Methyl Acetate	4.478	43	49729	23.651	ug/l	91
19) Methyl tert-butyl Ether	5.210	73	186966	21.638	ug/l	96
20) Methylene Chloride	4.716	84	81376	24.312	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	66720	20.539	ug/l	87
22) Diisopropyl ether	6.112	45	218629	21.855	ug/l	98
23) Vinyl Acetate	6.057	43	709900	112.216	ug/l	96
24) 1,1-Dichloroethane	6.009	63	128310	21.228	ug/l	99
25) 2-Butanone	6.984	43	131183	122.477	ug/l	91
26) 2,2-Dichloropropane	6.984	77	114313	21.252	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	79214	20.796	ug/l	90
28) Bromochloromethane	7.332	49	52020	20.237	ug/l #	95
29) Tetrahydrofuran	7.344	42	84937	115.896	ug/l	90
30) Chloroform	7.502	83	132683	21.188	ug/l	98
31) Cyclohexane	7.783	56	113682	21.233	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	116826	20.963	ug/l	99
36) 1,1-Dichloropropene	7.917	75	96978	19.968	ug/l	98
37) Ethyl Acetate	7.069	43	59796	22.292	ug/l	96
38) Carbon Tetrachloride	7.892	117	105351	20.335	ug/l	92
39) Methylcyclohexane	9.185	83	121090	20.287	ug/l #	84
40) Benzene	8.155	78	275260	20.365	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	31795m	24.804	ug/l	
42) 1,2-Dichloroethane	8.234	62	90522	21.463	ug/l	96
43) Isopropyl Acetate	8.270	43	109439	22.061	ug/l	94
44) Trichloroethene	8.935	130	73074	19.467	ug/l	92
45) 1,2-Dichloropropane	9.215	63	74038	21.182	ug/l	93
46) Dibromomethane	9.301	93	43595	20.778	ug/l	93
47) Bromodichloromethane	9.496	83	101885	20.704	ug/l	99
48) Methyl methacrylate	9.288	41	47993	22.320	ug/l	87
49) 1,4-Dioxane	9.295	88	11188	441.695	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	291100	109.672	ug/l	91
52) Toluene	10.240	92	173418	19.843	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	105377	20.857	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	115011	20.604	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	59089	20.701	ug/l	99
56) Ethyl methacrylate	10.508	69	78252	20.649	ug/l	89
57) 1,3-Dichloropropane	10.788	76	102842	21.307	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	203004	98.228	ug/l	98
59) 2-Hexanone	10.831	43	202870	113.496	ug/l	90
60) Dibromochloromethane	10.983	129	69561	20.467	ug/l	98
61) 1,2-Dibromoethane	11.087	107	58091	21.352	ug/l	98
64) Tetrachloroethene	10.715	164	62471	19.436	ug/l	97
65) Chlorobenzene	11.514	112	191666	20.288	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.587	131	73348	20.762	ug/l	97
67) Ethyl Benzene	11.593	91	344833	20.240	ug/l	99
68) m/p-Xylenes	11.703	106	263898	40.370	ug/l	93
69) o-Xylene	12.026	106	127269	20.545	ug/l	91
70) Styrene	12.044	104	208649	20.116	ug/l	96
71) Bromoform	12.209	173	43677	19.856	ug/l #	99
73) Isopropylbenzene	12.331	105	334830	19.911	ug/l	100
74) N-amyl acetate	12.142	43	97171	21.708	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	75109	21.296	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	50400m	20.908	ug/l	
77) Bromobenzene	12.605	156	77411	19.986	ug/l	99
78) n-propylbenzene	12.672	91	417331	20.567	ug/l	100
79) 2-Chlorotoluene	12.757	91	225325	20.752	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	273339	20.328	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	22469	19.056	ug/l	94
82) 4-Chlorotoluene	12.855	91	230727	20.658	ug/l	98
83) tert-Butylbenzene	13.074	119	246281	19.913	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	278396	21.020	ug/l	99
85) sec-Butylbenzene	13.251	105	374323	20.459	ug/l	99
86) p-Isopropyltoluene	13.367	119	302170	19.997	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	154300	20.019	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	158228	20.800	ug/l	99
89) n-Butylbenzene	13.696	91	293673	20.563	ug/l	99
90) Hexachloroethane	13.958	117	58858	20.548	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	140978	20.599	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10997	20.589	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	84596	19.524	ug/l	99
94) Hexachlorobutadiene	15.111	225	48225	18.825	ug/l	99
95) Naphthalene	15.233	128	173499	19.683	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	75760	19.619	ug/l	98

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

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