

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030922\
 Data File : VY007802.D
 Acq On : 09 Mar 2022 16:13
 Operator : SY/MD
 Sample : VY0309SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0309SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/10/2022
 Supervised By : Mahesh Dadoda 03/10/2022

Quant Time: Mar 10 01:03:28 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	232695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	362728	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	325035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	162794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	115220	47.297	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.600%		
35) Dibromofluoromethane	7.722	113	113783	49.065	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.120%		
50) Toluene-d8	10.179	98	403602	47.280	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.560%		
62) 4-Bromofluorobenzene	12.483	95	128724	46.780	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	37468	22.497	ug/l	96
3) Chloromethane	2.119	50	54278	18.740	ug/l	98
4) Vinyl Chloride	2.253	62	72181	20.677	ug/l	95
5) Bromomethane	2.643	94	71636	25.390	ug/l	93
6) Chloroethane	2.796	64	53210	19.876	ug/l	100
7) Trichlorofluoromethane	3.125	101	85113	21.339	ug/l	96
8) Diethyl Ether	3.527	74	25688	20.015	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.905	101	53507	21.977	ug/l	98
10) Methyl Iodide	4.101	142	46472	15.688	ug/l	92
11) Tert butyl alcohol	4.948	59	20353	96.499	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	46585	21.559	ug/l	94
13) Acrolein	3.729	56	25505	123.875	ug/l	98
14) Allyl chloride	4.485	41	72741	22.381	ug/l #	89
15) Acrylonitrile	5.167	53	70621	104.246	ug/l	99
16) Acetone	3.948	43	58576	118.199	ug/l	90
17) Carbon Disulfide	4.192	76	123663	21.581	ug/l	96
18) Methyl Acetate	4.478	43	35559	21.289	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	134628	20.074	ug/l	91
20) Methylene Chloride	4.716	84	58767	22.290	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	52743	20.919	ug/l	86
22) Diisopropyl ether	6.125	45	171154	22.043	ug/l	93
23) Vinyl Acetate	6.064	43	515211	104.928	ug/l	95
24) 1,1-Dichloroethane	6.021	63	99014	21.105	ug/l	98
25) 2-Butanone	6.990	43	90482	108.840	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	90865	21.764	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	61722	20.877	ug/l	92
28) Bromochloromethane	7.338	49	42492	21.298	ug/l #	95
29) Tetrahydrofuran	7.344	42	59284	104.221	ug/l	92
30) Chloroform	7.508	83	103931	21.383	ug/l	98
31) Cyclohexane	7.789	56	88328	21.259	ug/l	89
32) 1,1,1-Trichloroethane	7.704	97	92731	21.438	ug/l	98
36) 1,1-Dichloropropene	7.917	75	77666	21.290	ug/l	99
37) Ethyl Acetate	7.076	43	39776	19.741	ug/l	98
38) Carbon Tetrachloride	7.905	117	83998	21.585	ug/l	93
39) Methylcyclohexane	9.185	83	92530	20.638	ug/l	89
40) Benzene	8.161	78	214927	21.169	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	19188	19.928	ug/l #	46
42) 1,2-Dichloroethane	8.240	62	67356	21.261	ug/l	94
43) Isopropyl Acetate	8.277	43	76426	20.510	ug/l	94
44) Trichloroethene	8.941	130	60094	21.312	ug/l	98
45) 1,2-Dichloropropane	9.215	63	55373	21.090	ug/l	94
46) Dibromomethane	9.307	93	33321	21.143	ug/l	93
47) Bromodichloromethane	9.496	83	79428	21.488	ug/l	99
48) Methyl methacrylate	9.295	41	31791	19.683	ug/l #	81
49) 1,4-Dioxane	9.295	88	8740	459.361	ug/l	86
51) 4-Methyl-2-Pentanone	10.069	43	202640	101.637	ug/l	94
52) Toluene	10.246	92	138759	21.137	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	76049	20.039	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	85360	20.358	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	44628	20.815	ug/l	96
56) Ethyl methacrylate	10.508	69	52975	18.610	ug/l	89
57) 1,3-Dichloropropane	10.788	76	75131	20.722	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.789	63	147934	95.295	ug/l	98
59) 2-Hexanone	10.831	43	142778	106.340	ug/l	93
60) Dibromochloromethane	10.990	129	54675	21.416	ug/l	100
61) 1,2-Dibromoethane	11.093	107	40833	19.981	ug/l	96
64) Tetrachloroethene	10.721	164	49344	20.481	ug/l	98
65) Chlorobenzene	11.520	112	147685	20.855	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	53934	20.367	ug/l	96
67) Ethyl Benzene	11.593	91	266807	20.893	ug/l	100
68) m/p-Xylenes	11.703	106	205909	42.023	ug/l	93
69) o-Xylene	12.032	106	99023	21.326	ug/l	88
70) Styrene	12.044	104	164176	21.117	ug/l	95
71) Bromoform	12.209	173	32090	19.462	ug/l #	100
73) Isopropylbenzene	12.331	105	263147	20.749	ug/l	99
74) N-amyl acetate	12.148	43	63409	18.782	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.587	83	54060	20.324	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	38154m	20.987	ug/l	
77) Bromobenzene	12.611	156	61127	20.925	ug/l	92
78) n-propylbenzene	12.672	91	325832	21.291	ug/l	100
79) 2-Chlorotoluene	12.757	91	169667	20.718	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	213703	21.073	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	16196	18.212	ug/l	97
82) 4-Chlorotoluene	12.855	91	176690	20.976	ug/l	95
83) tert-Butylbenzene	13.075	119	190671	20.441	ug/l	92
84) 1,2,4-Trimethylbenzene	13.123	105	211226	21.146	ug/l	96
85) sec-Butylbenzene	13.257	105	292134	21.171	ug/l	99
86) p-Isopropyltoluene	13.367	119	241707	21.208	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	120891	20.796	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	120330	20.973	ug/l	99
89) n-Butylbenzene	13.696	91	231280	21.472	ug/l	98
90) Hexachloroethane	13.965	117	45848	21.223	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	106890	20.708	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7471	18.546	ug/l	76
93) 1,2,4-Trichlorobenzene	15.007	180	65483	20.039	ug/l	100
94) Hexachlorobutadiene	15.117	225	39645	20.520	ug/l	99
95) Naphthalene	15.239	128	126690	19.057	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	57229	19.650	ug/l	100

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

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