

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030822\
 Data File : VY007775.D
 Acq On : 08 Mar 2022 13:19
 Operator : SY/MD
 Sample : VY0308SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0308SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/09/2022
 Supervised By : Mahesh Dadoda 03/09/2022

Quant Time: Mar 09 00:25:44 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	264281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	427531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	388485	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	196453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	127038	45.915	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.840%		
35) Dibromofluoromethane	7.716	113	132206	48.368	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.740%		
50) Toluene-d8	10.179	98	448486	44.574	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.140%		
62) 4-Bromofluorobenzene	12.483	95	148135	45.674	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	33805	17.033	ug/l	99
3) Chloromethane	2.113	50	56427	16.536	ug/l	97
4) Vinyl Chloride	2.253	62	72712	18.340	ug/l	98
5) Bromomethane	2.643	94	85024	26.534	ug/l	100
6) Chloroethane	2.790	64	57323	18.853	ug/l	97
7) Trichlorofluoromethane	3.125	101	84449	18.642	ug/l	92
8) Diethyl Ether	3.527	74	29470	20.218	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.899	101	51680	18.689	ug/l	96
10) Methyl Iodide	4.088	142	54431	16.179	ug/l	94
11) Tert butyl alcohol	4.960	59	23441	97.857	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	46087	18.779	ug/l	82
13) Acrolein	3.729	56	22560	87.031	ug/l	95
14) Allyl chloride	4.485	41	67410	18.262	ug/l #	87
15) Acrylonitrile	5.161	53	77006	100.086	ug/l	97
16) Acetone	3.942	43	56891	101.079	ug/l	97
17) Carbon Disulfide	4.192	76	121811	18.191	ug/l	98
18) Methyl Acetate	4.478	43	55599	31.700	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	150540	19.764	ug/l	96
20) Methylene Chloride	4.716	84	73770	25.137	ug/l	84
21) trans-1,2-Dichloroethene	5.222	96	57423	20.053	ug/l #	80
22) Diisopropyl ether	6.118	45	170222	19.303	ug/l #	93
23) Vinyl Acetate	6.064	43	471723	84.589	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	102032	19.149	ug/l	98
25) 2-Butanone	6.984	43	91605	97.021	ug/l #	82
26) 2,2-Dichloropropane	6.984	77	74309	15.671	ug/l	92
27) cis-1,2-Dichloroethene	6.990	96	68302	20.341	ug/l	85
28) Bromochloromethane	7.338	49	41089	18.133	ug/l #	79
29) Tetrahydrofuran	7.350	42	62105	96.132	ug/l #	83
30) Chloroform	7.508	83	115076	20.847	ug/l	99
31) Cyclohexane	7.789	56	80091	16.107	ug/l #	80
32) 1,1,1-Trichloroethane	7.704	97	96901	19.724	ug/l	97
36) 1,1-Dichloropropene	7.917	75	75981	17.671	ug/l	95
37) Ethyl Acetate	7.076	43	38760	16.321	ug/l	97
38) Carbon Tetrachloride	7.899	117	87166	19.004	ug/l	97
39) Methylcyclohexane	9.185	83	85554	16.190	ug/l	86
40) Benzene	8.161	78	230436	19.257	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	25005m	22.033	ug/l	
42) 1,2-Dichloroethane	8.240	62	74586	19.975	ug/l	93
43) Isopropyl Acetate	8.277	43	78505	17.875	ug/l #	92
44) Trichloroethene	8.941	130	65090	19.585	ug/l	96
45) 1,2-Dichloropropane	9.215	63	58543	18.918	ug/l	96
46) Dibromomethane	9.307	93	38935	20.960	ug/l	98
47) Bromodichloromethane	9.496	83	87334	20.045	ug/l #	99
48) Methyl methacrylate	9.295	41	35471	18.633	ug/l #	81
49) 1,4-Dioxane	9.301	88	9155	408.239	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	220595	93.872	ug/l	92
52) Toluene	10.246	92	150432	19.442	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	80050	17.896	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	93186	18.856	ug/l #	86
55) 1,1,2-Trichloroethane	10.648	97	51405	20.342	ug/l	96
56) Ethyl methacrylate	10.508	69	60625	18.070	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	83780	19.605	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.782	63	156399	85.477	ug/l	94
59) 2-Hexanone	10.831	43	146623	92.651	ug/l	90
60) Dibromochloromethane	10.983	129	64159	21.322	ug/l	99
61) 1,2-Dibromoethane	11.087	107	50541	20.983	ug/l	96
64) Tetrachloroethene	10.721	164	56513	19.625	ug/l	96
65) Chlorobenzene	11.514	112	165673	19.574	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	63487	20.059	ug/l	97
67) Ethyl Benzene	11.593	91	281952	18.472	ug/l	97
68) m/p-Xylenes	11.703	106	223044	38.085	ug/l	90
69) o-Xylene	12.026	106	105743	19.054	ug/l	93
70) Styrene	12.044	104	184473	19.852	ug/l	93
71) Bromoform	12.209	173	40462	20.532	ug/l #	96
73) Isopropylbenzene	12.331	105	277215	18.113	ug/l	99
74) N-amyl acetate	12.142	43	59424	14.586	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	61029	19.013	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	41613m	18.967	ug/l	
77) Bromobenzene	12.605	156	70420	19.976	ug/l	89
78) n-propylbenzene	12.672	91	330904	17.918	ug/l	98
79) 2-Chlorotoluene	12.757	91	184337	18.653	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	224549	18.349	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.380	75	16127	15.028	ug/l	91
82) 4-Chlorotoluene	12.855	91	189922	18.684	ug/l	96
83) tert-Butylbenzene	13.075	119	206713	18.364	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	226623	18.800	ug/l	98
85) sec-Butylbenzene	13.251	105	300674	18.057	ug/l	98
86) p-Isopropyltoluene	13.367	119	247207	17.975	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	133615	19.047	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	137400	19.845	ug/l	98
89) n-Butylbenzene	13.696	91	215502	16.579	ug/l	99
90) Hexachloroethane	13.958	117	50155	19.239	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	122621	19.686	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8514	17.514	ug/l	66
93) 1,2,4-Trichlorobenzene	15.007	180	73017	18.516	ug/l	97
94) Hexachlorobutadiene	15.111	225	42140	18.074	ug/l	99
95) Naphthalene	15.233	128	147923	18.439	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	66473	18.913	ug/l	99

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

