

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030422\
 Data File : VY007741.D
 Acq On : 04 Mar 2022 14:46
 Operator : SY/MD
 Sample : VY0304SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/07/2022
 Supervised By : Mahesh Dadoda 03/07/2022

Quant Time: Mar 05 04:24:01 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	380983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	583236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	524578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	261962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	173345	43.461	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.920%		
35) Dibromofluoromethane	7.722	113	175326	47.019	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.040%		
50) Toluene-d8	10.185	98	621294	45.264	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.520%		
62) 4-Bromofluorobenzene	12.483	95	200004	45.204	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	56595	20.439	ug/l	95
3) Chloromethane	2.119	50	74990	14.676	ug/l	99
4) Vinyl Chloride	2.259	62	103407	18.092	ug/l	93
5) Bromomethane	2.650	94	104695	22.664	ug/l	96
6) Chloroethane	2.802	64	74430	16.981	ug/l	98
7) Trichlorofluoromethane	3.137	101	129268	19.795	ug/l	95
8) Diethyl Ether	3.534	74	41502	19.751	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.911	101	81076	20.339	ug/l	98
10) Methyl Iodide	4.100	142	96892	19.978	ug/l	90
11) Tert butyl alcohol	4.954	59	31949	92.519	ug/l #	95
12) 1,1-Dichloroethene	3.881	96	71893	20.321	ug/l	83
13) Acrolein	3.735	56	36512	102.947	ug/l	98
14) Allyl chloride	4.491	41	95400	17.928	ug/l #	87
15) Acrylonitrile	5.173	53	99037	89.291	ug/l	98
16) Acetone	3.960	43	79120	97.513	ug/l	98
17) Carbon Disulfide	4.204	76	183772	19.222	ug/l	99
18) Methyl Acetate	4.485	43	46968	15.948	ug/l #	82
19) Methyl tert-butyl Ether	5.234	73	215157	19.595	ug/l	98
20) Methylene Chloride	4.728	84	102135	23.954	ug/l #	84
21) trans-1,2-Dichloroethene	5.228	96	84024	20.354	ug/l	87
22) Diisopropyl ether	6.131	45	231834	18.237	ug/l #	91
23) Vinyl Acetate	6.070	43	731174	90.951	ug/l #	92
24) 1,1-Dichloroethane	6.027	63	145602	18.956	ug/l	98
25) 2-Butanone	6.990	43	127509	93.680	ug/l #	82
26) 2,2-Dichloropropane	6.996	77	138166	20.213	ug/l	95
27) cis-1,2-Dichloroethene	6.996	96	98227	20.292	ug/l	86
28) Bromochloromethane	7.344	49	57197	17.510	ug/l #	81
29) Tetrahydrofuran	7.356	42	82470	88.552	ug/l #	80
30) Chloroform	7.514	83	157389	19.778	ug/l	99
31) Cyclohexane	7.789	56	128135	18.347	ug/l #	84
32) 1,1,1-Trichloroethane	7.710	97	144242	20.367	ug/l	97
36) 1,1-Dichloropropene	7.923	75	119241	20.328	ug/l	97
37) Ethyl Acetate	7.076	43	56541	17.452	ug/l #	92
38) Carbon Tetrachloride	7.905	117	131618	21.035	ug/l	95
39) Methylcyclohexane	9.185	83	146387	20.306	ug/l	87
40) Benzene	8.167	78	330074	20.219	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	32626m	21.073	ug/l	
42) 1,2-Dichloroethane	8.246	62	103790	20.376	ug/l	93
43) Isopropyl Acetate	8.277	43	108877	18.172	ug/l #	88
44) Trichloroethene	8.941	130	96828	21.357	ug/l	94
45) 1,2-Dichloropropane	9.222	63	82920	19.642	ug/l	92
46) Dibromomethane	9.307	93	52597	20.756	ug/l	97
47) Bromodichloromethane	9.502	83	124123	20.884	ug/l	96
48) Methyl methacrylate	9.295	41	46081	17.744	ug/l #	80
49) 1,4-Dioxane	9.301	88	12029	393.196	ug/l #	89
51) 4-Methyl-2-Pentanone	10.075	43	291665	90.980	ug/l	88
52) Toluene	10.246	92	216711	20.531	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	120160	19.691	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	136019	20.175	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	71167	20.643	ug/l	95
56) Ethyl methacrylate	10.514	69	86856	18.977	ug/l #	82
57) 1,3-Dichloropropane	10.794	76	120574	20.683	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	212025	84.943	ug/l	93
59) 2-Hexanone	10.837	43	207415	96.076	ug/l	89
60) Dibromochloromethane	10.989	129	87256	21.256	ug/l	100
61) 1,2-Dibromoethane	11.093	107	68305	20.787	ug/l	99
64) Tetrachloroethene	10.721	164	84304	21.681	ug/l	97
65) Chlorobenzene	11.520	112	241076	21.094	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	91657	21.446	ug/l	98
67) Ethyl Benzene	11.599	91	415962	20.182	ug/l	100
68) m/p-Xylenes	11.703	106	324486	41.032	ug/l	93
69) o-Xylene	12.032	106	157541	21.023	ug/l	91
70) Styrene	12.044	104	254786	20.305	ug/l	95
71) Bromoform	12.209	173	55519	20.863	ug/l #	100
73) Isopropylbenzene	12.331	105	422945	20.724	ug/l	99
74) N-amyl acetate	12.148	43	96824	17.823	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.587	83	85003	19.859	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	53530m	18.298	ug/l	
77) Bromobenzene	12.611	156	101928	21.683	ug/l	86
78) n-propylbenzene	12.672	91	497535	20.203	ug/l	97
79) 2-Chlorotoluene	12.757	91	268034	20.340	ug/l	93
80) 1,3,5-Trimethylbenzene	12.818	105	332903	20.400	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	24690	17.254	ug/l	95
82) 4-Chlorotoluene	12.855	91	274085	20.221	ug/l	93
83) tert-Butylbenzene	13.074	119	319177	21.264	ug/l	90
84) 1,2,4-Trimethylbenzene	13.123	105	330962	20.590	ug/l	98
85) sec-Butylbenzene	13.257	105	456833	20.574	ug/l	99
86) p-Isopropyltoluene	13.373	119	387049	21.105	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	198952	21.269	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	198041	21.451	ug/l	98
89) n-Butylbenzene	13.696	91	353388	20.388	ug/l	98
90) Hexachloroethane	13.965	117	72905	20.972	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	176480	21.247	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12434	19.182	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	114550	21.784	ug/l	97
94) Hexachlorobutadiene	15.111	225	67458	21.698	ug/l	99
95) Naphthalene	15.239	128	211305	19.753	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	99846	21.305	ug/l	100

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

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