

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032622\
 Data File : VY008037.D
 Acq On : 26 Mar 2022 11:45
 Operator : SY/MD
 Sample : VY0326SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0326SBS01

Quant Time: Mar 28 09:26:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/28/2022
 Supervised By : Mahesh Dadoda 03/28/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	170206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	289081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	258266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	86838	50.852	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	101.700%		
35) Dibromofluoromethane	7.716	113	89227	49.230	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.460%		
50) Toluene-d8	10.179	98	337275	49.393	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.780%		
62) 4-Bromofluorobenzene	12.483	95	117173	48.638	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35310	23.013	ug/l	98
3) Chloromethane	2.113	50	40741	21.805	ug/l	95
4) Vinyl Chloride	2.253	62	52053	20.939	ug/l	97
5) Bromomethane	2.644	94	45136	22.155	ug/l	96
6) Chloroethane	2.796	64	33575	20.532	ug/l	97
7) Trichlorofluoromethane	3.125	101	64952	20.654	ug/l	97
8) Diethyl Ether	3.528	74	20674	20.301	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.906	101	39595	20.298	ug/l	91
10) Methyl Iodide	4.088	142	37292	17.509	ug/l	89
11) Tert butyl alcohol	4.954	59	17413	98.280	ug/l #	93
12) 1,1-Dichloroethene	3.875	96	36925	20.447	ug/l #	79
13) Acrolein	3.729	56	15330	106.302	ug/l	98
14) Allyl chloride	4.479	41	48935	20.596	ug/l #	90
15) Acrylonitrile	5.161	53	48770	100.540	ug/l	98
16) Acetone	3.942	43	37488	96.043	ug/l	90
17) Carbon Disulfide	4.198	76	114087	22.296	ug/l	99
18) Methyl Acetate	4.479	43	21399	15.898	ug/l #	80
19) Methyl tert-butyl Ether	5.222	73	103230	20.115	ug/l	97
20) Methylene Chloride	4.716	84	49384	22.258	ug/l #	80
21) trans-1,2-Dichloroethene	5.222	96	42773	20.456	ug/l	84
22) Diisopropyl ether	6.119	45	105335	20.606	ug/l #	91
23) Vinyl Acetate	6.064	43	346199	109.300	ug/l #	85
24) 1,1-Dichloroethane	6.015	63	67857	20.051	ug/l	97
25) 2-Butanone	6.984	43	59453	100.091	ug/l #	75
26) 2,2-Dichloropropane	6.984	77	64154	20.017	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	48948	20.195	ug/l	81
28) Bromochloromethane	7.332	49	23292	21.286	ug/l #	72
29) Tetrahydrofuran	7.350	42	39759	102.957	ug/l #	75
30) Chloroform	7.509	83	73144	19.961	ug/l	98
31) Cyclohexane	7.783	56	65519	20.526	ug/l #	82
32) 1,1,1-Trichloroethane	7.704	97	68401	20.203	ug/l	95
36) 1,1-Dichloropropene	7.917	75	57079	20.049	ug/l	95
37) Ethyl Acetate	7.076	43	27774	20.883	ug/l #	90
38) Carbon Tetrachloride	7.899	117	61389	19.786	ug/l	95
39) Methylcyclohexane	9.185	83	77898	20.271	ug/l	87
40) Benzene	8.161	78	164199	20.162	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	15842m	23.722	ug/l	
42) 1,2-Dichloroethane	8.240	62	46012	20.141	ug/l	90
43) Isopropyl Acetate	8.271	43	52822	20.231	ug/l #	86
44) Trichloroethene	8.941	130	46382	19.695	ug/l	98
45) 1,2-Dichloropropane	9.216	63	38982	20.311	ug/l	94
46) Dibromomethane	9.301	93	25259	20.015	ug/l	94
47) Bromodichloromethane	9.496	83	56825	19.692	ug/l	97
48) Methyl methacrylate	9.289	41	22394	19.365	ug/l #	78
49) 1,4-Dioxane	9.301	88	6757	402.763	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	135766	103.101	ug/l #	85
52) Toluene	10.246	92	107126	20.058	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	58407	19.745	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	66361	19.818	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	34371	19.724	ug/l	98
56) Ethyl methacrylate	10.508	69	46733	20.559	ug/l #	73
57) 1,3-Dichloropropane	10.788	76	56666	19.869	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	90544	96.138	ug/l	90
59) 2-Hexanone	10.831	43	94475	102.529	ug/l	83
60) Dibromochloromethane	10.983	129	40571	19.143	ug/l	98
61) 1,2-Dibromoethane	11.087	107	34532	19.897	ug/l	98
64) Tetrachloroethene	10.721	164	38093	19.204	ug/l	96
65) Chlorobenzene	11.514	112	115110	19.767	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	41597	19.365	ug/l	97
67) Ethyl Benzene	11.593	91	205220	20.107	ug/l	97
68) m/p-Xylenes	11.703	106	161637	39.827	ug/l	92
69) o-Xylene	12.032	106	77412	19.921	ug/l	91
70) Styrene	12.044	104	128408	20.186	ug/l	95
71) Bromoform	12.209	173	24255	18.702	ug/l #	99
73) Isopropylbenzene	12.331	105	206153	20.435	ug/l	100
74) N-amyl acetate	12.142	43	46554	20.993	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.581	83	41076	20.948	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	30233m	20.292	ug/l	
77) Bromobenzene	12.611	156	44199	19.097	ug/l	99
78) n-propylbenzene	12.672	91	243020	20.423	ug/l	98
79) 2-Chlorotoluene	12.758	91	134195	20.329	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	168093	20.339	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	13477	20.182	ug/l #	84
82) 4-Chlorotoluene	12.855	91	140324	20.718	ug/l	98
83) tert-Butylbenzene	13.075	119	146651	19.917	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	164113	20.391	ug/l	98
85) sec-Butylbenzene	13.251	105	221283	20.361	ug/l	99
86) p-Isopropyltoluene	13.367	119	184427	20.390	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	91378	19.915	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	90724	19.826	ug/l	98
89) n-Butylbenzene	13.696	91	172427	20.720	ug/l	99
90) Hexachloroethane	13.965	117	34193	19.511	ug/l	78
91) 1,2-Dichlorobenzene	13.739	146	81905	20.274	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6105	19.507	ug/l	81
93) 1,2,4-Trichlorobenzene	15.013	180	45909	18.974	ug/l	99
94) Hexachlorobutadiene	15.117	225	23546	18.395	ug/l	99
95) Naphthalene	15.239	128	101671	19.010	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	39213	18.730	ug/l	97

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

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