

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061521\
 Data File : VY005144.D
 Acq On : 15 Jun 2021 12:12
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 6/16/2021 12:55:33 PM

Quant Time: Jun 16 04:15:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 16 04:12:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	204075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	316560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	291187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	145134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	181879	92.175	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 184.360%#	
35) Dibromofluoromethane	7.728	113	140135	88.154	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 176.300%#	
50) Toluene-d8	10.185	98	631034	93.568	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 187.140%#	
62) 4-Bromofluorobenzene	12.483	95	219555	96.798	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 193.600%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	207806	92.168	ug/l	100
3) Chloromethane	2.119	50	221026	95.070	ug/l	100
4) Vinyl Chloride	2.253	62	218804	98.034	ug/l	99
5) Bromomethane	2.650	94	123245	96.755	ug/l	97
6) Chloroethane	2.796	64	125213	98.697	ug/l	97
7) Trichlorofluoromethane	3.131	101	367876	98.608	ug/l	99
8) Diethyl Ether	3.540	74	115577	95.285	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.906	101	195737	96.912	ug/l	99
10) Methyl Iodide	4.101	142	231456	101.960	ug/l	99
11) Tert butyl alcohol	4.972	59	85084	428.257	ug/l	99
12) 1,1-Dichloroethene	3.881	96	194844	98.470	ug/l	96
13) Acrolein	3.735	56	83605	435.168	ug/l	98
14) Allyl chloride	4.485	41	271915	98.609	ug/l	100
15) Acrylonitrile	5.174	53	255670	469.707	ug/l	100
16) Acetone	3.960	43	181023	451.048	ug/l	95
17) Carbon Disulfide	4.204	76	555179	94.178	ug/l	99
18) Methyl Acetate	4.491	43	107099	90.920	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	536956	99.256	ug/l	100
20) Methylene Chloride	4.729	84	211587	77.141	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	210877	98.877	ug/l	96
22) Diisopropyl ether	6.131	45	545770	97.794	ug/l	97
23) Vinyl Acetate	6.076	43	1786715	485.346	ug/l	100
24) 1,1-Dichloroethane	6.027	63	342298	97.451	ug/l	99
25) 2-Butanone	6.996	43	288844	473.090	ug/l	99
26) 2,2-Dichloropropane	6.996	77	333290	99.228	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	230100	99.471	ug/l	98
28) Bromochloromethane	7.344	49	118023	89.538	ug/l	99
29) Tetrahydrofuran	7.356	42	196590	474.058	ug/l	99
30) Chloroform	7.515	83	372437	99.340	ug/l	99
31) Cyclohexane	7.789	56	318702	94.954	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	358972	99.324	ug/l	100
36) 1,1-Dichloropropene	7.929	75	287150	99.055	ug/l	100
37) Ethyl Acetate	7.088	43	137017	92.753	ug/l	99
38) Carbon Tetrachloride	7.905	117	324040	105.284	ug/l	98
39) Methylcyclohexane	9.185	83	370499	103.111	ug/l	98
40) Benzene	8.167	78	814861	98.686	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	85923m	102.400	ug/l	
42) 1,2-Dichloroethane	8.246	62	251192	97.577	ug/l	100
43) Isopropyl Acetate	8.283	43	263880	97.484	ug/l	100
44) Trichloroethene	8.947	130	241763	99.734	ug/l	96
45) 1,2-Dichloropropane	9.222	63	187153	99.026	ug/l	99
46) Dibromomethane	9.313	93	117014	99.317	ug/l	99
47) Bromodichloromethane	9.502	83	284907	100.410	ug/l	100
48) Methyl methacrylate	9.301	41	118045	97.401	ug/l	100
49) 1,4-Dioxane	9.307	88	27837	1829.444	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	661031	477.545	ug/l	98
52) Toluene	10.246	92	526790	100.255	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	305570	100.680	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	332637	99.013	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	160428	98.027	ug/l	96
56) Ethyl methacrylate	10.514	69	226876	102.609	ug/l	99
57) 1,3-Dichloropropane	10.795	76	275220	99.472	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	463336	476.920	ug/l	99
59) 2-Hexanone	10.837	43	473934	495.081	ug/l	99
60) Dibromochloromethane	10.990	129	205483	101.066	ug/l	100
61) 1,2-Dibromoethane	11.093	107	158445	99.155	ug/l	99
64) Tetrachloroethene	10.721	164	258392	99.453	ug/l	98
65) Chlorobenzene	11.520	112	573873	99.891	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	213192	100.075	ug/l	99
67) Ethyl Benzene	11.593	91	1040357	102.416	ug/l	100
68) m/p-Xylenes	11.709	106	809311	202.665	ug/l	99
69) o-Xylene	12.032	106	388829	103.529	ug/l	99
70) Styrene	12.044	104	651964	102.586	ug/l	100
71) Bromoform	12.209	173	131387	100.675	ug/l #	100
73) Isopropylbenzene	12.331	105	1032969	101.804	ug/l	99
74) N-amyl acetate	12.148	43	236443	100.198	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	166267	94.360	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	127200m	113.464	ug/l	
77) Bromobenzene	12.611	156	238212	98.678	ug/l	99
78) n-propylbenzene	12.672	91	1228298	101.274	ug/l	100
79) 2-Chlorotoluene	12.758	91	681849	100.556	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	881219	101.693	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	65802	94.494	ug/l	96
82) 4-Chlorotoluene	12.855	91	703245	100.320	ug/l	100
83) tert-Butylbenzene	13.075	119	779030	102.726	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	872102	101.871	ug/l	100
85) sec-Butylbenzene	13.257	105	1116385	102.197	ug/l	99
86) p-Isopropyltoluene	13.373	119	961375	102.567	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	470708	99.877	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	467702	99.263	ug/l	100
89) n-Butylbenzene	13.696	91	871594	102.164	ug/l	100
90) Hexachloroethane	13.965	117	156255	102.278	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	423064	99.813	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	32961	93.898	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	293316	107.829	ug/l	100
94) Hexachlorobutadiene	15.117	225	164116	104.405	ug/l	99
95) Naphthalene	15.239	128	622993	108.792	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	262551	107.752	ug/l	100

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

