

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003003.D
 Acq On : 29 Jun 2020 12:40
 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
 6/30/2020 12:54:10 PM

Quant Time: Jun 30 04:12:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:26:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	463982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	680637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	624608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	323902	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	472521	102.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.08%	
35) Dibromofluoromethane	7.72	113	430618	101.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.84%	
50) Toluene-d8	10.18	98	1615740	102.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.30%	
62) 4-Bromofluorobenzene	12.48	95	562627	101.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	367664	104.632	ug/l	99
3) Chloromethane	2.12	50	492096	95.634	ug/l	98
4) Vinyl Chloride	2.26	62	529433	105.481	ug/l	95
5) Bromomethane	2.65	94	361531	106.086	ug/l	97
6) Chloroethane	2.79	64	330426	103.485	ug/l	96
7) Trichlorofluoromethane	3.13	101	734502	103.680	ug/l	100
8) Diethyl Ether	3.54	74	255974	105.398	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	439022	103.788	ug/l	99
10) Methyl Iodide	4.10	142	568412	108.369	ug/l	99
11) Tert butyl alcohol	4.96	59	235520	501.494	ug/l	99
12) 1,1-Dichloroethene	3.88	96	417398	103.709	ug/l	98
13) Acrolein	3.74	56	204394	484.574	ug/l	100
14) Allyl chloride	4.49	41	751834	106.993	ug/l	99
15) Acrylonitrile	5.18	53	672301	537.124	ug/l	100
16) Acetone	3.96	43	608300	559.690	ug/l	100
17) Carbon Disulfide	4.20	76	1337934	104.046	ug/l	99
18) Methyl Acetate	4.48	43	307955	105.171	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	1271421	108.376	ug/l	99
20) Methylene Chloride	4.72	84	482499	79.539	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	472351	103.756	ug/l	98
22) Diisopropyl ether	6.13	45	1605463	106.598	ug/l	99
23) Vinyl Acetate	6.07	43	5516262	547.831	ug/l	100
24) 1,1-Dichloroethane	6.03	63	863660	104.977	ug/l	100
25) 2-Butanone	7.00	43	947962	549.075	ug/l	98
26) 2,2-Dichloropropane	6.99	77	761450	101.869	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	531372	104.064	ug/l	100
28) Bromochloromethane	7.34	49	405661	110.818	ug/l	98
29) Tetrahydrofuran	7.35	42	627039	546.150	ug/l	100
30) Chloroform	7.52	83	845542	103.741	ug/l	100
31) Cyclohexane	7.79	56	799621	98.659	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	778098	104.587	ug/l	99
36) 1,1-Dichloropropene	7.93	75	681483	103.945	ug/l	100
37) Ethyl Acetate	7.08	43	428672	108.747	ug/l	100
38) Carbon Tetrachloride	7.91	117	717279	105.153	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	855756	105.276	ug/l	98
40) Benzene	8.17	78	1877039	104.576	ug/l	99
41) Methacrylonitrile	7.33	41	219936m	45.489	ug/l	
42) 1,2-Dichloroethane	8.24	62	603940	106.360	ug/l	99
43) Isopropyl Acetate	8.28	43	819611	109.372	ug/l	99
44) Trichloroethene	8.94	130	545343	104.533	ug/l	99
45) 1,2-Dichloropropane	9.22	63	511857	105.998	ug/l	96
46) Dibromomethane	9.31	93	282851	104.875	ug/l	99
47) Bromodichloromethane	9.50	83	700481	106.068	ug/l	98
48) Methyl methacrylate	9.30	41	377812	110.764	ug/l	99
49) 1,4-Dioxane	9.30	88	72550	2203.638	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	2140241	552.574	ug/l	100
52) Toluene	10.24	92	1180900	104.514	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	752277	108.649	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	844112	106.599	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	398558	106.345	ug/l	99
56) Ethyl methacrylate	10.51	69	603463	111.235	ug/l	98
57) 1,3-Dichloropropane	10.79	76	699295	106.287	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	1524196	547.800	ug/l	100
59) 2-Hexanone	10.83	43	1520513	561.646	ug/l	99
60) Dibromochloromethane	10.99	129	511906	106.732	ug/l	99
61) 1,2-Dibromoethane	11.09	107	394082	106.659	ug/l	98
64) Tetrachloroethene	10.72	164	553599	104.723	ug/l	98
65) Chlorobenzene	11.52	112	1283629	104.224	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	513995	106.894	ug/l	99
67) Ethyl Benzene	11.59	91	2374438	105.383	ug/l	99
68) m/p-Xylenes	11.70	106	1769890	211.058	ug/l	99
69) o-Xylene	12.03	106	835356	105.713	ug/l	99
70) Styrene	12.04	104	1447750	107.242	ug/l	99
71) Bromoform	12.20	173	345476	107.750	ug/l #	100
73) Isopropylbenzene	12.33	105	2256106	106.430	ug/l	99
74) N-amyl acetate	12.14	43	766726	111.105	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	460837	107.727	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	340479m	61.499	ug/l	
77) Bromobenzene	12.61	156	572162	105.271	ug/l	99
78) n-propylbenzene	12.67	91	2687963	105.437	ug/l	100
79) 2-Chlorotoluene	12.75	91	1508782	106.029	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	1882712	105.841	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	180803	109.734	ug/l	97
82) 4-Chlorotoluene	12.86	91	1567445	105.797	ug/l	100
83) tert-Butylbenzene	13.08	119	1645648	105.359	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	1904978	106.279	ug/l	100
85) sec-Butylbenzene	13.25	105	2244050	104.234	ug/l	100
86) p-Isopropyltoluene	13.37	119	2111886	105.864	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	1084317	106.858	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	1043718	104.310	ug/l	100
89) n-Butylbenzene	13.70	91	1994771	104.510	ug/l	99
90) Hexachloroethane	13.96	117	421472	106.397	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	956250	105.034	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	82491	108.931	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	712638	105.341	ug/l	99
94) Hexachlorobutadiene	15.11	225	436667	102.332	ug/l	98
95) Naphthalene	15.23	128	1345670	108.904	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	620841	105.687	ug/l	100

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

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