

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY073120\
 Data File : VY003384.D
 Acq On : 31 Jul 2020 12:30
 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
 8/3/2020 12:37:29 PM

Quant Time: Jul 31 12:47:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 12:21:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	519820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	759590	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	707018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	370638	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	497199	108.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	217.54%	
35) Dibromofluoromethane	7.72	113	458218	102.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.96%	
50) Toluene-d8	10.18	98	1787200	106.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.20%	
62) 4-Bromofluorobenzene	12.48	95	608298	100.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	381311	98.175	ug/l	100
3) Chloromethane	2.12	50	503070	94.567	ug/l	99
4) Vinyl Chloride	2.26	62	546071	100.010	ug/l	100
5) Bromomethane	2.64	94	395820	97.823	ug/l	97
6) Chloroethane	2.79	64	350062	98.349	ug/l	97
7) Trichlorofluoromethane	3.13	101	741324	95.834	ug/l	99
8) Diethyl Ether	3.53	74	262665	100.792	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	440943	94.597	ug/l	100
10) Methyl Iodide	4.10	142	577216	112.700	ug/l	99
11) Tert butyl alcohol	4.97	59	240372	499.144	ug/l	99
12) 1,1-Dichloroethene	3.88	96	435192	98.091	ug/l	95
13) Acrolein	3.73	56	251126	579.642	ug/l	100
14) Allyl chloride	4.49	41	740377	110.614	ug/l	99
15) Acrylonitrile	5.17	53	682246	544.734	ug/l	99
16) Acetone	3.95	43	630317	612.368	ug/l	99
17) Carbon Disulfide	4.20	76	1410095	102.722	ug/l	100
18) Methyl Acetate	4.49	43	310546	110.608	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	1260900	102.264	ug/l	100
20) Methylene Chloride	4.72	84	541865	89.201	ug/l	94
21) trans-1,2-Dichloroethene	5.22	96	493669	99.055	ug/l	97
22) Diisopropyl ether	6.13	45	1566721	106.668	ug/l	99
23) Vinyl Acetate	6.07	43	5331133	545.761	ug/l	99
24) 1,1-Dichloroethane	6.02	63	871355	102.874	ug/l	100
25) 2-Butanone	6.99	43	951528	571.687	ug/l	99
26) 2,2-Dichloropropane	6.99	77	762098	99.974	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	548962	99.914	ug/l	100
28) Bromochloromethane	7.34	49	331200	93.041	ug/l	97
29) Tetrahydrofuran	7.35	42	615523	554.278	ug/l	99
30) Chloroform	7.52	83	863818	99.454	ug/l	98
31) Cyclohexane	7.79	56	791441	96.738	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	790110	100.748	ug/l	99
36) 1,1-Dichloropropene	7.93	75	697391	99.388	ug/l	100
37) Ethyl Acetate	7.08	43	413082	108.976	ug/l	99
38) Carbon Tetrachloride	7.91	117	731803	101.285	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	861653	98.131	ug/l	98
40) Benzene	8.16	78	1943288	100.530	ug/l	99
41) Methacrylonitrile	7.33	41	220626m	96.144	ug/l	
42) 1,2-Dichloroethane	8.24	62	591458	99.706	ug/l	100
43) Isopropyl Acetate	8.28	43	782068	106.956	ug/l	100
44) Trichloroethene	8.94	130	557043	94.913	ug/l	99
45) 1,2-Dichloropropane	9.22	63	507239	101.199	ug/l	98
46) Dibromomethane	9.31	93	285821	98.846	ug/l	99
47) Bromodichloromethane	9.50	83	699738	101.006	ug/l	100
48) Methyl methacrylate	9.29	41	366484	111.931	ug/l	99
49) 1,4-Dioxane	9.30	88	78836	2142.851	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	2060735	541.891	ug/l	100
52) Toluene	10.24	92	1228045	99.586	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	748488	104.184	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	842242	101.692	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	402894	97.765	ug/l	98
56) Ethyl methacrylate	10.51	69	590289	105.751	ug/l	98
57) 1,3-Dichloropropane	10.79	76	702732	100.564	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	1339501	482.601	ug/l	99
59) 2-Hexanone	10.83	43	1470480	553.637	ug/l	99
60) Dibromochloromethane	10.99	129	523432	101.239	ug/l	100
61) 1,2-Dibromoethane	11.09	107	396713	98.216	ug/l	99
64) Tetrachloroethene	10.72	164	573598	90.794	ug/l	99
65) Chlorobenzene	11.52	112	1339999	96.860	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	529996	98.561	ug/l	99
67) Ethyl Benzene	11.59	91	2464817	99.515	ug/l	99
68) m/p-Xylenes	11.70	106	1847586	196.819	ug/l	100
69) o-Xylene	12.03	106	884602	100.738	ug/l	100
70) Styrene	12.04	104	1522416	101.374	ug/l	99
71) Bromoform	12.20	173	351457	100.255	ug/l	# 100
73) Isopropylbenzene	12.33	105	2388440	99.493	ug/l	100
74) N-amyl acetate	12.14	43	718433	106.375	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	465383	100.363	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	324764m	98.057	ug/l	
77) Bromobenzene	12.61	156	605861	99.137	ug/l	99
78) n-propylbenzene	12.67	91	2830506	99.727	ug/l	99
79) 2-Chlorotoluene	12.75	91	1561020	98.811	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1987305	99.208	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	180882	105.845	ug/l	97
82) 4-Chlorotoluene	12.85	91	1635168	99.178	ug/l	99
83) tert-Butylbenzene	13.07	119	1710977	97.178	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	1991659	98.756	ug/l	99
85) sec-Butylbenzene	13.25	105	2394737	98.515	ug/l	100
86) p-Isopropyltoluene	13.37	119	2254524	99.338	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	1144351	98.810	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	1107984	96.591	ug/l	100
89) n-Butylbenzene	13.69	91	2095746	98.156	ug/l	100
90) Hexachloroethane	13.96	117	427260	102.722	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	997969	98.099	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	74302	99.022	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	700388	96.668	ug/l	99
94) Hexachlorobutadiene	15.11	225	451672	91.365	ug/l	100
95) Naphthalene	15.23	128	1241483	103.232	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	574807	99.594	ug/l	99

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

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