

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001846.D
 Acq On : 04 Mar 2020 11:54
 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
 3/5/2020 1:37:11 PM

Quant Time: Mar 04 17:38:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 17:21:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	182995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	335002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	297287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	132941	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	192156	98.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.20%	
35) Dibromofluoromethane	7.75	113	180168	98.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.90%	
50) Toluene-d8	10.19	98	755275	98.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.00%	
62) 4-Bromofluorobenzene	12.49	95	259480	97.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	154885	93.141	ug/l	99
3) Chloromethane	2.13	50	207725	93.474	ug/l	99
4) Vinyl Chloride	2.26	62	215669	95.116	ug/l	99
5) Bromomethane	2.66	94	133862	90.104	ug/l	97
6) Chloroethane	2.81	64	137584	95.781	ug/l	97
7) Trichlorofluoromethane	3.15	101	290196	92.956	ug/l	96
8) Diethyl Ether	3.55	74	120405	99.208	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	191140	96.405	ug/l	99
10) Methyl Iodide	4.11	142	246028	106.920	ug/l	99
11) Tert butyl alcohol	5.00	59	100037	445.364	ug/l	100
12) 1,1-Dichloroethene	3.90	96	194031	96.963	ug/l	97
13) Acrolein	3.75	56	128519	472.284	ug/l	96
14) Allyl chloride	4.51	41	349327	97.593	ug/l	100
15) Acrylonitrile	5.20	53	328599	506.841	ug/l	100
16) Acetone	3.97	43	304625	547.384	ug/l	98
17) Carbon Disulfide	4.22	76	657947	98.189	ug/l	100
18) Methyl Acetate	4.50	43	142300	99.810	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	543391	100.237	ug/l	95
20) Methylene Chloride	4.75	84	220487	91.436	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	222463	98.297	ug/l	98
22) Diisopropyl ether	6.15	45	701643	97.134	ug/l	97
23) Vinyl Acetate	6.10	43	2389044	503.570	ug/l	97
24) 1,1-Dichloroethane	6.05	63	380894	97.489	ug/l	98
25) 2-Butanone	7.02	43	447122	521.604	ug/l	100
26) 2,2-Dichloropropane	7.01	77	315329	97.078	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	244486	99.475	ug/l	99
28) Bromochloromethane	7.36	49	175696	98.263	ug/l	96
29) Tetrahydrofuran	7.38	42	282042	499.797	ug/l	98
30) Chloroform	7.53	83	361156	97.510	ug/l	98
31) Cyclohexane	7.81	56	390442	92.703	ug/l	97
32) 1,1,1-Trichloroethane	7.73	97	306377	97.876	ug/l	99
36) 1,1-Dichloropropene	7.94	75	304038	96.624	ug/l	99
37) Ethyl Acetate	7.10	43	185438	98.953	ug/l	99
38) Carbon Tetrachloride	7.92	117	264173	98.104	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	413429	98.299	ug/l	99
40) Benzene	8.19	78	907933	97.055	ug/l	100
41) Methacrylonitrile	7.35	41	84203m	37.972	ug/l	
42) 1,2-Dichloroethane	8.26	62	234010	96.923	ug/l	100
43) Isopropyl Acetate	8.30	43	349999	100.414	ug/l	100
44) Trichloroethene	8.96	130	219605	96.182	ug/l	99
45) 1,2-Dichloropropane	9.24	63	229169	97.081	ug/l	99
46) Dibromomethane	9.32	93	119652	97.830	ug/l	99
47) Bromodichloromethane	9.52	83	280698	99.287	ug/l	97
48) Methyl methacrylate	9.31	41	157987	100.018	ug/l	96
49) 1,4-Dioxane	9.32	88	31735	1967.823	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	905559	504.163	ug/l	99
52) Toluene	10.26	92	558685	98.504	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	314567	101.881	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	367953	99.989	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	175120	98.129	ug/l	98
56) Ethyl methacrylate	10.52	69	272474	104.779	ug/l	100
57) 1,3-Dichloropropane	10.80	76	310369	98.207	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	454538	430.863	ug/l	100
59) 2-Hexanone	10.85	43	664200	520.083	ug/l	98
60) Dibromochloromethane	11.00	129	192643	102.713	ug/l	99
61) 1,2-Dibromoethane	11.10	107	168961	101.304	ug/l	99
64) Tetrachloroethene	10.73	164	174787	95.312	ug/l	97
65) Chlorobenzene	11.53	112	564296	97.236	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	186873	98.737	ug/l	99
67) Ethyl Benzene	11.60	91	1050786	96.890	ug/l	99
68) m/p-Xylenes	11.71	106	776142	193.378	ug/l	100
69) o-Xylene	12.04	106	367088	97.241	ug/l	99
70) Styrene	12.05	104	646403	98.994	ug/l	100
71) Bromoform	12.22	173	109773	106.026	ug/l #	99
73) Isopropylbenzene	12.34	105	989505	99.114	ug/l	99
74) N-amyl acetate	12.16	43	314604	102.767	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	222044	103.173	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	147500m	58.400	ug/l	
77) Bromobenzene	12.62	156	207511	97.887	ug/l	100
78) n-propylbenzene	12.68	91	1213946	98.583	ug/l	100
79) 2-Chlorotoluene	12.77	91	670893	98.505	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	807443	98.763	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	84201	108.978	ug/l	99
82) 4-Chlorotoluene	12.86	91	695570	98.608	ug/l	100
83) tert-Butylbenzene	13.08	119	663788	97.180	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	797751	97.601	ug/l	99
85) sec-Butylbenzene	13.27	105	995884	98.735	ug/l	100
86) p-Isopropyltoluene	13.38	119	849782	98.100	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	394080	94.620	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	402431	96.123	ug/l	100
89) n-Butylbenzene	13.70	91	872960	97.695	ug/l	99
90) Hexachloroethane	13.97	117	163910	100.995	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	369323	98.314	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	35362	105.614	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	233385	95.209	ug/l	97
94) Hexachlorobutadiene	15.12	225	113037	94.803	ug/l	99
95) Naphthalene	15.25	128	589068	102.175	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	211728	97.775	ug/l	99

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

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