

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000020.D
 Acq On : 12 Sep 2019 11:54
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.00ml
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:53:52 PM

Quant Time: Sep 12 15:47:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 15:35:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	139537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	263314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	226720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	97491	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	30232	20.11	ug/l	0.00
Spiked Amount			Recovery	=	40.22%	
35) Dibromofluoromethane	7.72	113	32463	21.49	ug/l	0.00
Spiked Amount			Recovery	=	42.98%	
50) Toluene-d8	10.18	98	118504	19.48	ug/l	0.00
Spiked Amount			Recovery	=	38.96%	
62) 4-Bromofluorobenzene	12.48	95	47266	21.38	ug/l	0.00
Spiked Amount			Recovery	=	42.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	21660	21.050	ug/l	99
3) Chloromethane	2.11	50	32796	19.594	ug/l	100
4) Vinyl Chloride	2.25	62	32765	20.998	ug/l	95
5) Bromomethane	2.61	94	20560	20.730	ug/l	92
6) Chloroethane	2.77	64	21889	21.071	ug/l	100
7) Trichlorofluoromethane	3.11	101	42835	21.127	ug/l	100
8) Diethyl Ether	3.53	74	17681	21.220	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	28581	20.714	ug/l	97
10) Methyl Iodide	4.09	142	30239	20.042	ug/l	98
11) Tert butyl alcohol	4.98	59	18883	98.814	ug/l	97
12) 1,1-Dichloroethene	3.87	96	26875	20.900	ug/l	90
13) Acrolein	3.73	56	16503	115.114	ug/l	97
14) Allyl chloride	4.47	41	41511	20.791	ug/l	98
15) Acrylonitrile	5.17	53	54799	103.653	ug/l	99
16) Acetone	3.95	43	40661	97.566	ug/l	93
17) Carbon Disulfide	4.18	76	51686	19.960	ug/l	99
18) Methyl Acetate	4.48	43	23532	20.066	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	81561	20.941	ug/l	99
20) Methylene Chloride	4.70	84	34157	20.558	ug/l	98
21) trans-1,2-Dichloroethene	5.21	96	28353	19.913	ug/l	91
22) Diisopropyl ether	6.12	45	92445	20.974	ug/l	97
23) Vinyl Acetate	6.06	43	317171	104.022	ug/l	96
24) 1,1-Dichloroethane	6.01	63	54631	20.916	ug/l	97
25) 2-Butanone	6.99	43	68155	100.609	ug/l	93
26) 2,2-Dichloropropane	6.98	77	49956	20.589	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	36773	20.470	ug/l	95
28) Bromochloromethane	7.34	49	22896	19.088	ug/l	99
29) Tetrahydrofuran	7.35	42	40344	100.115	ug/l	97
30) Chloroform	7.51	83	56009	20.795	ug/l	100
31) Cyclohexane	7.78	56	44142	20.278	ug/l	88
32) 1,1,1-Trichloroethane	7.70	97	45648	20.660	ug/l	99
36) 1,1-Dichloropropene	7.92	75	40721	21.063	ug/l	99
37) Ethyl Acetate	7.08	43	27895	21.397	ug/l	99
38) Carbon Tetrachloride	7.90	117	38848	21.288	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	49239	20.614	ug/l	94
40) Benzene	8.16	78	130128	20.674	ug/l	99
41) Methacrylonitrile	7.32	41	15631m	9.232	ug/l	
42) 1,2-Dichloroethane	8.24	62	33753	20.984	ug/l	99
43) Isopropyl Acetate	8.27	43	51967	20.570	ug/l	99
44) Trichloroethene	8.94	130	32568	20.723	ug/l	94
45) 1,2-Dichloropropane	9.21	63	32284	19.892	ug/l	91
46) Dibromomethane	9.31	93	18775	20.844	ug/l	96
47) Bromodichloromethane	9.49	83	44731	20.803	ug/l	96
48) Methyl methacrylate	9.29	41	22852	20.499	ug/l	99
49) 1,4-Dioxane	9.30	88	7469	395.950	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	139190	98.326	ug/l	98
52) Toluene	10.24	92	80285	20.299	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	46750	20.679	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	53911	20.494	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	29205	20.460	ug/l	97
56) Ethyl methacrylate	10.51	69	40534	20.234	ug/l	99
57) 1,3-Dichloropropane	10.79	76	46961	20.572	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	106847	97.371	ug/l	99
59) 2-Hexanone	10.83	43	102682	100.657	ug/l	98
60) Dibromochloromethane	10.98	129	30874	20.528	ug/l	99
61) 1,2-Dibromoethane	11.09	107	25472	20.204	ug/l	100
64) Tetrachloroethene	10.71	164	28833	20.738	ug/l	96
65) Chlorobenzene	11.51	112	87588	20.274	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	31220	20.856	ug/l	98
67) Ethyl Benzene	11.59	91	161908	20.630	ug/l	96
68) m/p-Xylenes	11.70	106	121242	40.938	ug/l	100
69) o-Xylene	12.02	106	58651	20.206	ug/l	96
70) Styrene	12.04	104	101433	20.088	ug/l	99
71) Bromoform	12.20	173	18206	20.143	ug/l #	96
73) Isopropylbenzene	12.32	105	156757	21.044	ug/l	100
74) N-amyl acetate	12.14	43	44685	20.322	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	36673	20.591	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	26338m	12.180	ug/l	
77) Bromobenzene	12.60	156	32254	20.469	ug/l	92
78) n-propylbenzene	12.66	91	190269	20.901	ug/l	100
79) 2-Chlorotoluene	12.75	91	106709	20.963	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	129309	20.790	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.37	75	13677	20.035	ug/l	99
82) 4-Chlorotoluene	12.85	91	110154	20.618	ug/l	99
83) tert-Butylbenzene	13.07	119	111926	20.944	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	125220	20.381	ug/l	99
85) sec-Butylbenzene	13.25	105	161740	20.507	ug/l	98
86) p-Isopropyltoluene	13.37	119	138436	20.691	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	67631	21.326	ug/l	94
88) 1,4-Dichlorobenzene	13.44	146	65357	20.479	ug/l	98
89) n-Butylbenzene	13.69	91	142394	21.002	ug/l	100
90) Hexachloroethane	13.95	117	28253	21.131	ug/l	95
91) 1,2-Dichlorobenzene	13.73	146	61038	20.681	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	6572	18.977	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	38904	20.658	ug/l	97
94) Hexachlorobutadiene	15.10	225	17692	20.482	ug/l	98
95) Naphthalene	15.22	128	102503	19.895	ug/l	99
96) 1,2,3-Trichlorobenzene	15.41	180	33972	20.095	ug/l	99

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

