

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000024.D
 Acq On : 12 Sep 2019 13:57
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00µ/5.00ml
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY091219

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:54:11 PM

Quant Time: Sep 19 11:56:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:53:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	146771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	271690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	233341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	104637	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	76952	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
35) Dibromofluoromethane	7.71	113	73947	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
50) Toluene-d8	10.18	98	316138	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.48	95	108751	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	52736	48.724	ug/l	94
3) Chloromethane	2.11	50	72957	54.663	ug/l	99
4) Vinyl Chloride	2.25	62	83242	50.718	ug/l	99
5) Bromomethane	2.63	94	56386	57.295	ug/l	100
6) Chloroethane	2.78	64	55632	50.915	ug/l	91
7) Trichlorofluoromethane	3.12	101	106668	50.017	ug/l	96
8) Diethyl Ether	3.53	74	45583	52.010	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.89	101	75315	51.895	ug/l	99
10) Methyl Iodide	4.09	142	80379	50.647	ug/l	99
11) Tert butyl alcohol	4.97	59	49951	248.507	ug/l	99
12) 1,1-Dichloroethene	3.87	96	68942	50.971	ug/l	83
13) Acrolein	3.73	56	31139	235.594	ug/l	93
14) Allyl chloride	4.48	41	108124	51.486	ug/l	99
15) Acrylonitrile	5.16	53	145605	261.839	ug/l	100
16) Acetone	3.95	43	115777	264.086	ug/l	96
17) Carbon Disulfide	4.19	76	130591	52.745	ug/l	99
18) Methyl Acetate	4.48	43	61070	49.507	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	214301	52.310	ug/l	99
20) Methylene Chloride	4.71	84	84194	54.348	ug/l	90
21) trans-1,2-Dichloroethene	5.22	96	77777	51.932	ug/l	90
22) Diisopropyl ether	6.12	45	244487	52.736	ug/l	94
23) Vinyl Acetate	6.06	43	854331	266.383	ug/l	96
24) 1,1-Dichloroethane	6.01	63	143163	52.111	ug/l	96
25) 2-Butanone	6.99	43	191000	268.054	ug/l	97
26) 2,2-Dichloropropane	6.98	77	128195	50.230	ug/l	99
27) cis-1,2-Dichloroethene	6.98	96	97442	51.569	ug/l	97
28) Bromochloromethane	7.33	49	68552	54.333	ug/l #	99
29) Tetrahydrofuran	7.35	42	108911	256.945	ug/l	98
30) Chloroform	7.51	83	145499	51.357	ug/l	97
31) Cyclohexane	7.77	56	107647	53.537	ug/l	100
32) 1,1,1-Trichloroethane	7.70	97	120721	51.945	ug/l	99
36) 1,1-Dichloropropene	7.92	75	102382	51.325	ug/l	99
37) Ethyl Acetate	7.08	43	68960	51.265	ug/l	98
38) Carbon Tetrachloride	7.90	117	100829	53.549	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	126930	51.502	ug/l	95
40) Benzene	8.16	78	338758	52.161	ug/l	98
41) Methacrylonitrile	7.31	41	32941	42.091	ug/l #	81
42) 1,2-Dichloroethane	8.24	62	90022	54.240	ug/l	99
43) Isopropyl Acetate	8.27	43	140908	54.056	ug/l	98
44) Trichloroethene	8.94	130	85266	52.582	ug/l	88
45) 1,2-Dichloropropane	9.21	63	86591	51.708	ug/l	97
46) Dibromomethane	9.31	93	48400	52.077	ug/l	98
47) Bromodichloromethane	9.50	83	116568	52.542	ug/l	99
48) Methyl methacrylate	9.29	41	60868	52.917	ug/l	98
49) 1,4-Dioxane	9.29	88	19426	998.071	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	379854	260.063	ug/l	99
52) Toluene	10.24	92	213991	52.437	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	125100	53.630	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	140871	51.900	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	75814	51.476	ug/l	94
56) Ethyl methacrylate	10.51	69	111420	53.905	ug/l	99
57) 1,3-Dichloropropane	10.79	76	122116	51.846	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	282105	249.161	ug/l	99
59) 2-Hexanone	10.83	43	287722	273.352	ug/l	96
60) Dibromochloromethane	10.98	129	83011	53.491	ug/l	100
61) 1,2-Dibromoethane	11.09	107	70534	54.222	ug/l	97
64) Tetrachloroethene	10.71	164	75052	52.450	ug/l	96
65) Chlorobenzene	11.51	112	238584	53.659	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	81781	53.083	ug/l	99
67) Ethyl Benzene	11.59	91	421207	52.146	ug/l	97
68) m/p-Xylenes	11.70	106	331184	108.652	ug/l	97
69) o-Xylene	12.02	106	160161	53.612	ug/l	97
70) Styrene	12.04	104	282938	54.445	ug/l	99
71) Bromoform	12.20	173	49537	53.253	ug/l #	97
73) Isopropylbenzene	12.32	105	423943	53.026	ug/l	100
74) N-amyl acetate	12.14	43	129314	54.793	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	97030	50.760	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	72428m	49.835	ug/l	
77) Bromobenzene	12.60	156	88933	52.584	ug/l	98
78) n-propylbenzene	12.66	91	524707	53.703	ug/l	100
79) 2-Chlorotoluene	12.75	91	283843	51.952	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	351283	52.622	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	38491	52.533	ug/l	98
82) 4-Chlorotoluene	12.85	91	303338	52.901	ug/l	100
83) tert-Butylbenzene	13.07	119	307304	53.576	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	357331	54.188	ug/l	99
85) sec-Butylbenzene	13.25	105	458161	54.124	ug/l	100
86) p-Isopropyltoluene	13.37	119	387345	53.941	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	183114	53.797	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	186230	54.369	ug/l	99
89) n-Butylbenzene	13.69	91	401670	55.198	ug/l	100
90) Hexachloroethane	13.96	117	78012	54.363	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	168946	53.335	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	18882	57.596	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	109848	54.346	ug/l	99
94) Hexachlorobutadiene	15.10	225	53069	57.243	ug/l	99
95) Naphthalene	15.23	128	294512	53.259	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	100294	55.274	ug/l	99

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

