

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000014.D
 Acq On : 11 Sep 2019 21:29
 Operator : SY/MD
 Sample : MDL 3 PPB
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:45 PM

Quant Time: Sep 19 11:35:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:26:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	145644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	285998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	245767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	99871	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	72917	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
35) Dibromofluoromethane	7.72	113	71311	44.60	ug/l	0.00
Spiked Amount			Recovery	=	89.20%	
50) Toluene-d8	10.18	98	297674	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	
62) 4-Bromofluorobenzene	12.48	95	98773	42.68	ug/l	0.00
Spiked Amount			Recovery	=	85.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.89	85	3174	2.903	ug/l	81
3) Chloromethane	2.11	50	6727	3.275	ug/l #	83
4) Vinyl Chloride	2.25	62	4433	2.626	ug/l	93
5) Bromomethane	2.64	94	4004	4.065	ug/l	100
6) Chloroethane	2.78	64	3161	2.840	ug/l #	87
7) Trichlorofluoromethane	3.12	101	5984	2.878	ug/l	96
8) Diethyl Ether	3.54	74	2629	3.224	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.88	101	3571m	2.566	ug/l	
10) Methyl Iodide	4.09	142	3437	2.122	ug/l	95
11) Tert butyl alcohol	4.96	59	2650	14.924	ug/l	99
12) 1,1-Dichloroethene	3.87	96	3520	2.613	ug/l #	72
13) Acrolein	3.73	56	2827	19.546	ug/l	90
14) Allyl chloride	4.48	41	6556	3.199	ug/l	90
15) Acrylonitrile	5.17	53	6799	12.709	ug/l #	63
16) Acetone	3.96	43	5867	14.242	ug/l #	68
17) Carbon Disulfide	4.18	76	8663	3.069	ug/l	96
18) Methyl Acetate	4.48	43	4099	3.276	ug/l #	71
19) Methyl tert-butyl Ether	5.23	73	10138	2.672	ug/l	98
20) Methylene Chloride	4.71	84	7051	4.161	ug/l	90
21) trans-1,2-Dichloroethene	5.23	96	3745m	2.580	ug/l	
22) Diisopropyl ether	6.12	45	11406	2.560	ug/l #	93
23) Vinyl Acetate	6.07	43	38584	12.775	ug/l	94
24) 1,1-Dichloroethane	6.03	63	7067	2.648	ug/l #	90
25) 2-Butanone	6.99	43	7620	11.715	ug/l	95
26) 2,2-Dichloropropane	6.99	77	5465	2.395	ug/l	76
27) cis-1,2-Dichloroethene	6.99	96	5068	2.783	ug/l	58
28) Bromochloromethane	7.34	49	4894	3.980	ug/l #	87
29) Tetrahydrofuran	7.35	42	5011	12.332	ug/l #	86
30) Chloroform	7.51	83	7847	2.905	ug/l	87
31) Cyclohexane	7.79	56	9559	4.140	ug/l #	71
32) 1,1,1-Trichloroethane	7.70	97	5448	2.444	ug/l	94
36) 1,1-Dichloropropene	7.91	75	5498	2.659	ug/l	96
37) Ethyl Acetate	7.09	43	3041	2.151	ug/l #	84
38) Carbon Tetrachloride	7.90	117	4160	2.096	ug/l #	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.18	83	6768	2.655	ug/l #	88
40) Benzene	8.17	78	16577	2.494	ug/l #	87
41) Methacrylonitrile	7.32	41	2706m	3.193	ug/l	
42) 1,2-Dichloroethane	8.24	62	4367	2.520	ug/l	96
43) Isopropyl Acetate	8.28	43	6831	2.628	ug/l #	89
44) Trichloroethene	8.93	130	4034	2.359	ug/l	100
45) 1,2-Dichloropropane	9.22	63	3963	2.322	ug/l	99
46) Dibromomethane	9.30	93	2389	2.587	ug/l	90
47) Bromodichloromethane	9.49	83	5504	2.489	ug/l	100
48) Methyl methacrylate	9.30	41	2945	2.565	ug/l #	89
49) 1,4-Dioxane	9.30	88	1058	58.291	ug/l #	48
51) 4-Methyl-2-Pentanone	10.07	43	16843	11.773	ug/l	98
52) Toluene	10.24	92	11437	2.733	ug/l	87
53) t-1,3-Dichloropropene	10.46	75	5643	2.429	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	6981	2.574	ug/l	95
55) 1,1,2-Trichloroethane	10.65	97	3384	2.364	ug/l #	86
56) Ethyl methacrylate	10.51	69	5064	2.458	ug/l #	88
57) 1,3-Dichloropropane	10.79	76	5906	2.501	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.78	63	16540	15.560	ug/l	99
59) 2-Hexanone	10.83	43	11982	11.763	ug/l	100
60) Dibromochloromethane	10.98	129	3420	2.242	ug/l	93
61) 1,2-Dibromoethane	11.09	107	3265	2.480	ug/l	96
64) Tetrachloroethene	10.72	164	3867	2.574	ug/l #	80
65) Chlorobenzene	11.51	112	11490	2.529	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	3397	2.210	ug/l	93
67) Ethyl Benzene	11.59	91	19957	2.404	ug/l	91
68) m/p-Xylenes	11.70	106	15029	4.767	ug/l	98
69) o-Xylene	12.02	106	7114	2.346	ug/l	95
70) Styrene	12.04	104	11693	2.215	ug/l	93
71) Bromoform	12.20	173	2031	2.181	ug/l #	96
73) Isopropylbenzene	12.32	105	17907	2.371	ug/l	96
74) N-amyl acetate	12.14	43	5649	2.695	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.58	83	4313	2.479	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	3329m	2.825	ug/l	
77) Bromobenzene	12.61	156	3458	2.148	ug/l	78
78) n-propylbenzene	12.66	91	21848	2.391	ug/l	99
79) 2-Chlorotoluene	12.75	91	12101	2.387	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	15566	2.493	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.37	75	1932	2.838	ug/l #	86
82) 4-Chlorotoluene	12.85	91	13296	2.511	ug/l	99
83) tert-Butylbenzene	13.07	119	13116	2.469	ug/l	97
84) 1,2,4-Trimethylbenzene	13.11	105	14639	2.397	ug/l	96
85) sec-Butylbenzene	13.25	105	20366	2.572	ug/l	94
86) p-Isopropyltoluene	13.37	119	15817	2.375	ug/l	96
87) 1,3-Dichlorobenzene	13.36	146	7697	2.479	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	7418m	2.369	ug/l	
89) n-Butylbenzene	13.69	91	16487	2.478	ug/l	98
90) Hexachloroethane	13.96	117	3040	2.256	ug/l	85
91) 1,2-Dichlorobenzene	13.73	146	7875	2.693	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	886	2.735	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	4236	2.376	ug/l	98
94) Hexachlorobutadiene	15.10	225	2273	2.633	ug/l	96
95) Naphthalene	15.23	128	11984	2.458	ug/l	98
96) 1,2,3-Trichlorobenzene	15.41	180	4333	2.710	ug/l	96

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

