

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
 Data File : VL033279.D
 Acq On : 12 Mar 2019 9:04
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 5:05:53 AM

Quant Time: Mar 13 07:19:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 13 2019
 QLast Update : Tue Mar 12 06:59:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	934400	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2231893	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2217532	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1714709	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	70558	0.349	ppbv	98
3) Chlorodifluoromethane	3.01	51	59768	0.480	ppbv	99
4) Chloromethane	3.17	50	32608	0.501	ppbv	92
5) Vinyl Chloride	3.29	62	29369	0.453	ppbv	93
6) Bromomethane	3.52	94	18451m	0.466	ppbv	
7) Chloroethane	3.60	64	10905	0.469	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	77168	0.483	ppbv	96
9) Propene	3.03	41	28729	0.523	ppbv	99
10) Heptane	8.24	43	65263	0.516	ppbv	100
11) Trichlorofluoromethane	4.00	101	80958	0.431	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	54725	0.508	ppbv	98
13) Ethanol	3.65	45	10143m	0.569	ppbv	
14) Bromoethene	3.79	108	22619	0.454	ppbv #	98
15) Acetone	3.91	43	73810m	0.524	ppbv	
16) 1,3-Butadiene	3.36	39	23626	0.459	ppbv	99
17) tert-Butyl alcohol	4.38	59	9741m	0.504	ppbv	
18) 1,1-Dichloroethene	4.35	96	23841	0.501	ppbv #	77
19) Isopropyl Alcohol	4.03	45	44584m	0.525	ppbv	
20) Methylene Chloride	4.40	84	26358	0.548	ppbv	94
21) Allyl Chloride	4.48	41	35642	0.505	ppbv	95
22) trans-1,2-Dichloroethene	4.96	96	23312	0.461	ppbv	96
23) Vinyl Acetate	5.15	43	92029m	0.524	ppbv	
24) 1,1-Dichloroethane	5.09	63	66038	0.506	ppbv	98
25) Ethyl Acetate	5.77	43	115947	0.525	ppbv	99
26) Hexane	5.78	57	55198	0.535	ppbv	96
27) Carbon Disulfide	4.62	76	48973	0.443	ppbv #	82
28) Methyl tert-Butyl Ether	5.12	73	76002	0.525	ppbv	99
29) Chloroform	5.84	83	83396	0.533	ppbv	100
30) Cyclohexane	7.24	84	43187m	0.552	ppbv	
31) cis-1,2-Dichloroethene	5.63	61	50768	0.518	ppbv	94
32) 1,1,1-Trichloroethane	6.62	97	76931m	0.503	ppbv	
34) 2-Butanone	5.33	43	74531	0.504	ppbv	100
35) Carbon Tetrachloride	7.13	117	75035	0.460	ppbv	96
36) Benzene	7.00	78	104938	0.514	ppbv	97
37) 1,2-Dichloroethane	6.40	62	60830	0.486	ppbv #	96
38) Trichloroethene	7.96	130	39604m	0.496	ppbv	
39) 1,2-Dichloropropane	7.73	63	39102	0.505	ppbv	98
40) 1,4-Dioxane	8.00	88	14400m	0.492	ppbv	
41) Tetrahydrofuran	6.17	42	40671m	0.510	ppbv	
42) Bromodichloromethane	7.91	83	82731	0.486	ppbv	97
43) Methyl Methacrylate	8.14	69	39449	0.500	ppbv	98

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44) 2,2,4-Trimethylpentane	7.99	57	181191	0.520	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	41562	0.427	ppbv #	81
46) cis-1,3-Dichloropropene	8.83	75	51222	0.448	ppbv	97
47) 1,1,2-Trichloroethane	9.61	97	41114m	0.494	ppbv	
48) Dibromochloromethane	10.44	129	62002m	0.458	ppbv	
49) Bromoform	13.19	173	48081m	0.442	ppbv	
50) 4-Methyl-2-Pentanone	8.89	43	104107m	0.497	ppbv	
51) 2-Hexanone	10.28	43	76186m	0.482	ppbv	
52) Tetrachloroethene	11.37	164	39390	0.523	ppbv	89
53) Toluene	9.94	91	119695	0.518	ppbv	94
54) 1,2-Dibromoethane	10.76	107	62486	0.495	ppbv	89
56) 1,1,1,2-Tetrachloroethane	12.28	131	49026m	0.524	ppbv	
57) Chlorobenzene	12.30	112	90673	0.543	ppbv #	96
58) Ethyl Benzene	12.86	91	153060m	0.505	ppbv	
59) m/p-Xylene	13.12	91	261285m	1.028	ppbv	
60) o-Xylene	13.85	91	127358	0.520	ppbv	99
61) Styrene	13.69	104	85809m	0.503	ppbv	
62) Isopropylbenzene	14.82	105	175688	0.516	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	89358m	0.549	ppbv	
64) n-propylbenzene	15.72	120	43645m	0.528	ppbv	
65) tert-Butylbenzene	16.91	119	142690	0.496	ppbv	96
66) Benzyl Chloride	17.16	91	44127m	0.404	ppbv	
67) sec-Butylbenzene	17.45	105	204762	0.502	ppbv	100
69) p-Isopropyltoluene	17.82	119	161166	0.492	ppbv	99
70) n-Butylbenzene	18.71	91	175408	0.499	ppbv	99
71) 2-Chlorotoluene	15.61	91	134250	0.527	ppbv	99
72) 4-Ethyltoluene	16.00	105	127312	0.484	ppbv	98
73) 1,3,5-Trimethylbenzene	16.15	105	125118	0.508	ppbv	94
74) 1,2,4-Trimethylbenzene	16.92	105	122695	0.482	ppbv	94
75) 1,3-Dichlorobenzene	17.16	146	77774	0.512	ppbv	93
76) 1,4-Dichlorobenzene	17.30	146	78285	0.526	ppbv	94
77) 1,2-Dichlorobenzene	17.99	146	79617	0.534	ppbv	97
78) Hexachloro-1,3-Butadiene	23.54	225	88984	0.772	ppbv	97
79) Naphthalene	22.42	128	116511	0.449	ppbv	97
80) Naphthalene,2-methyl-	25.12	142	38872	0.644	ppbv	88
81) 1,2,4-Trichlorobenzene	22.14	180	70722	0.513	ppbv	98

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

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