

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071218\
 Data File : VL032230.D
 Acq On : 12 Jul 2018 19:25
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 5:22:11 PM

Quant Time: Jul 13 03:57:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 13 2018
 QLast Update : Fri Jul 13 03:36:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1858315	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	4207027	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4876509	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3812183	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	292149	1.16	ppbv	93
3) Chlorodifluoromethane	3.07	51	262649	1.13	ppbv	99
4) Chloromethane	3.22	50	130762	1.04	ppbv	94
5) Vinyl Chloride	3.35	62	139826	1.11	ppbv	98
6) Bromomethane	3.57	94	72021	1.00	ppbv	96
7) Chloroethane	3.66	64	45997	1.03	ppbv	96
8) Dichlorotetrafluoroethane	3.27	85	352886	1.26	ppbv	97
9) Propene	3.09	41	102704	0.96	ppbv	99
10) Heptane	8.33	43	266564	0.87	ppbv	98
11) Trichlorofluoromethane	4.07	101	272542	1.04	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.62	101	178880	1.03	ppbv	100
13) Ethanol	3.71	45	32872m	1.03	ppbv	
14) Bromoethene	3.85	108	82179	0.99	ppbv	93
15) Acetone	3.97	43	229244	1.06	ppbv	96
16) 1,3-Butadiene	3.42	39	108886	1.01	ppbv	100
17) tert-Butyl alcohol	4.43	59	107138m	0.81	ppbv	
18) 1,1-Dichloroethene	4.42	96	79534	0.96	ppbv	93
19) Isopropyl Alcohol	4.10	45	150461	0.86	ppbv #	94
20) Methylene Chloride	4.48	84	78490	1.00	ppbv	95
21) Allyl Chloride	4.54	41	122758	0.85	ppbv	97
22) trans-1,2-Dichloroethene	5.04	96	68429	0.78	ppbv	93
23) Vinyl Acetate	5.23	43	361800	0.92	ppbv	98
24) 1,1-Dichloroethane	5.16	63	266806	1.05	ppbv	98
25) Ethyl Acetate	5.85	43	444289	0.99	ppbv	100
26) Hexane	5.86	57	202320	0.98	ppbv	97
27) Carbon Disulfide	4.69	76	179878	0.89	ppbv	99
28) Methyl tert-Butyl Ether	5.20	73	313167	0.87	ppbv	99
29) Chloroform	5.92	83	314059	1.04	ppbv	92
30) Cyclohexane	7.33	84	172696	0.87	ppbv #	74
31) cis-1,2-Dichloroethene	5.71	61	192744	0.93	ppbv	97
32) 1,1,1-Trichloroethane	6.70	97	292601m	0.91	ppbv	
34) 2-Butanone	5.41	43	295963	1.11	ppbv	100
35) Carbon Tetrachloride	7.22	117	293367	1.01	ppbv	93
36) Benzene	7.09	78	433666	1.05	ppbv	95
37) 1,2-Dichloroethane	6.49	62	241668	1.17	ppbv	99
38) Trichloroethene	8.05	130	141875	0.91	ppbv	90
39) 1,2-Dichloropropane	7.82	63	171053	1.06	ppbv	97
40) 1,4-Dioxane	8.07	88	64484m	1.07	ppbv	
41) Tetrahydrofuran	6.24	42	155662m	0.97	ppbv	
42) Bromodichloromethane	8.00	83	334086	1.06	ppbv	97
43) Methyl Methacrylate	8.23	69	153991	0.92	ppbv	97

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44) 2,2,4-Trimethylpentane	8.08	57	754970	1.07	ppbv	98
45) t-1,3-Dichloropropene	9.51	75	177208m	0.85	ppbv	
46) cis-1,3-Dichloropropene	8.93	75	256340	1.02	ppbv	98
47) 1,1,2-Trichloroethane	9.70	97	196122	1.17	ppbv	94
48) Dibromochloromethane	10.54	129	284295	1.11	ppbv	99
49) Bromoform	13.30	173	226495	1.06	ppbv	98
50) 4-Methyl-2-Pentanone	8.97	43	519963	1.17	ppbv	100
51) 2-Hexanone	10.38	43	411942	1.12	ppbv #	100
52) Tetrachloroethene	11.47	164	160025	1.09	ppbv	97
53) Toluene	10.04	91	505166	1.04	ppbv	99
54) 1,2-Dibromoethane	10.85	107	292810	1.17	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.37	131	230379	1.06	ppbv #	1
57) Chlorobenzene	12.40	112	457728	1.09	ppbv	99
58) Ethyl Benzene	12.96	91	760981	0.97	ppbv	89
59) m/p-Xylene	13.24	91	1272397m	2.02	ppbv	
60) o-Xylene	13.94	91	639776	1.02	ppbv	99
61) Styrene	13.78	104	450034	0.89	ppbv	99
62) Isopropylbenzene	14.92	105	886845	0.93	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.93	83	521064	1.07	ppbv	100
64) n-propylbenzene	15.81	120	220454m	0.89	ppbv	
65) tert-Butylbenzene	17.00	119	757194	0.90	ppbv	98
66) Benzyl Chloride	17.25	91	309820m	0.61	ppbv	
67) sec-Butylbenzene	17.56	105	1090771	0.89	ppbv	99
69) p-Isopropyltoluene	17.91	119	847773	0.86	ppbv	99
70) n-Butylbenzene	18.81	91	916599	0.89	ppbv	98
71) 2-Chlorotoluene	15.71	91	685596	0.92	ppbv	100
72) 4-Ethyltoluene	16.09	105	694458	0.86	ppbv	99
73) 1,3,5-Trimethylbenzene	16.25	105	634253	0.84	ppbv	94
74) 1,2,4-Trimethylbenzene	17.02	105	666665	0.87	ppbv	94
75) 1,3-Dichlorobenzene	17.26	146	415198	0.96	ppbv	98
76) 1,4-Dichlorobenzene	17.40	146	391932	0.90	ppbv	99
77) 1,2-Dichlorobenzene	18.08	146	399771	0.93	ppbv	99
78) Hexachloro-1,3-Butadiene	23.64	225	122337	0.83	ppbv	97
79) Naphthalene	22.53	128	295287	0.43	ppbv #	94
80) Naphthalene, 2-methyl-	25.19	142	16615	0.07	ppbv	94
81) 1,2,4-Trichlorobenzene	22.25	180	172680m	0.56	ppbv	

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

