

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032519\
 Data File : VL033435.D
 Acq On : 25 Mar 2019 11:09
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:22:42 AM

Quant Time: Mar 25 11:48:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 1
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	769064	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1844603	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1919299	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1490412	10.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	191392	1.415 ppbv	99
3) Chlorodifluoromethane	3.02	51	180629	2.046 ppbv	98
4) Chloromethane	3.17	50	94781	1.983 ppbv	99
5) Vinyl Chloride	3.29	62	95827	1.943 ppbv	95
6) Bromomethane	3.52	94	61375	2.094 ppbv	95
7) Chloroethane	3.60	64	34341	1.993 ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	242387	2.105 ppbv	98
9) Propene	3.04	41	76518	1.942 ppbv	98
10) Heptane	8.25	43	203778	2.085 ppbv	98
11) Trichlorofluoromethane	4.00	101	274185	2.036 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	185518	2.076 ppbv	98
13) Ethanol	3.65	45	20231m	1.077 ppbv	
14) Bromoethene	3.79	108	75881	2.037 ppbv	100
15) Acetone	3.90	43	199801	1.671 ppbv	98
16) 1,3-Butadiene	3.36	39	81233	2.092 ppbv	92
17) tert-Butyl alcohol	4.36	59	31463	1.870 ppbv	98
18) 1,1-Dichloroethene	4.35	96	79247	1.940 ppbv	98
19) Isopropyl Alcohol	4.03	45	107839	1.896 ppbv	# 95
20) Methylene Chloride	4.41	84	80484	2.064 ppbv	96
21) Allyl Chloride	4.48	41	115789	1.997 ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	84374	2.131 ppbv	97
23) Vinyl Acetate	5.16	43	267257	1.932 ppbv	98
24) 1,1-Dichloroethane	5.09	63	202824	2.030 ppbv	100
25) Ethyl Acetate	5.77	43	356099	2.049 ppbv	99
26) Hexane	5.78	57	162608	2.093 ppbv	98
27) Carbon Disulfide	4.62	76	182998	2.046 ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	229688	1.990 ppbv	100
29) Chloroform	5.85	83	269499	2.118 ppbv	99
30) Cyclohexane	7.25	84	124935	2.006 ppbv	87
31) cis-1,2-Dichloroethene	5.64	61	157313	2.025 ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	262692	2.103 ppbv	100
34) 2-Butanone	5.33	43	225125	1.858 ppbv	98
35) Carbon Tetrachloride	7.14	117	265331	2.040 ppbv	99
36) Benzene	7.00	78	311732	1.888 ppbv	97
37) 1,2-Dichloroethane	6.41	62	204057	1.955 ppbv	100
38) Trichloroethene	7.96	130	125660	2.012 ppbv	93
39) 1,2-Dichloropropane	7.73	63	124715	2.017 ppbv	97
40) 1,4-Dioxane	7.97	88	43383m	1.993 ppbv	
41) Tetrahydrofuran	6.16	42	122430	1.894 ppbv	98
42) Bromodichloromethane	7.91	83	285294	2.039 ppbv	94
43) Methyl Methacrylate	8.14	69	127229	1.979 ppbv	100

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44) 2,2,4-Trimethylpentane	7.99	57	568296	2.078	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	151677	1.911	ppbv	94
46) cis-1,3-Dichloropropene	8.83	75	180305	1.930	ppbv	94
47) 1,1,2-Trichloroethane	9.62	97	139837m	2.047	ppbv	
48) Dibromochloromethane	10.45	129	232870	2.033	ppbv	99
49) Bromoform	13.20	173	207633	1.911	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	334796	1.957	ppbv	100
51) 2-Hexanone	10.28	43	247887	1.878	ppbv #	100
52) Tetrachloroethene	11.37	164	124435	1.809	ppbv	97
53) Toluene	9.95	91	371711	1.982	ppbv	99
54) 1,2-Dibromoethane	10.76	107	213983	1.853	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	176798	2.059	ppbv #	1
57) Chlorobenzene	12.30	112	306212	2.014	ppbv	93
58) Ethyl Benzene	12.86	91	537370	1.979	ppbv	99
59) m/p-Xylene	13.13	91	927294m	3.974	ppbv	
60) o-Xylene	13.85	91	465392	2.044	ppbv	99
61) Styrene	13.69	104	318203	1.996	ppbv	99
62) Isopropylbenzene	14.82	105	648744	2.050	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	333123	2.024	ppbv	99
64) n-propylbenzene	15.72	120	161110	2.012	ppbv	99
65) tert-Butylbenzene	16.91	119	576750	2.024	ppbv	100
66) Benzyl Chloride	17.16	91	244983	2.081	ppbv	99
67) sec-Butylbenzene	17.46	105	820434	2.032	ppbv	100
69) p-Isopropyltoluene	17.81	119	668306	2.026	ppbv	98
70) n-Butylbenzene	18.71	91	713225	2.028	ppbv	100
71) 2-Chlorotoluene	15.62	91	487778	1.980	ppbv	100
72) 4-Ethyltoluene	16.00	105	525369	2.032	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	482662	1.917	ppbv	95
74) 1,2,4-Trimethylbenzene	16.93	105	523802	1.964	ppbv	93
75) 1,3-Dichlorobenzene	17.16	146	325759	2.072	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	311915	2.049	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	308595	2.073	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	193677m	2.170	ppbv	
79) Naphthalene	22.42	128	443881	1.727	ppbv	98
80) Naphthalene, 2-methyl-	25.12	142	128719	1.056	ppbv	98
81) 1,2,4-Trichlorobenzene	22.13	180	252102m	1.924	ppbv	

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

