

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071318\
 Data File : VL032248.D
 Acq On : 13 Jul 2018 16:01
 Operator : SY/AP
 Sample : VL0713ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Manual Integrations
 APPROVED

apatel
 7/16/2018 8:08:05 AM

Quant Time: Jul 13 16:31:03 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 04:25:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1663871	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3919483	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	4796113m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3487165	9.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.13	85	1829517	7.637	ppbv	100
3) Chlorodifluoromethane	3.06	51	1818733	8.895	ppbv	100
4) Chloromethane	3.23	50	1001308	8.609	ppbv	100
5) Vinyl Chloride	3.35	62	938774	8.193	ppbv	98
6) Bromomethane	3.57	94	508475	7.970	ppbv	98
7) Chloroethane	3.66	64	341646	8.657	ppbv	94
8) Dichlorotetrafluoroethane	3.27	85	1980169	7.526	ppbv	99
9) Propene	3.09	41	798091	9.156	ppbv	100
10) Heptane	8.34	43	2489906	10.059	ppbv	98
11) Trichlorofluoromethane	4.07	101	1983960	8.657	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1314007	8.977	ppbv	99
13) Ethanol	3.71	45	199958	7.948	ppbv	96
14) Bromoethene	3.85	108	621805	9.005	ppbv	100
15) Acetone	3.96	43	1565849	8.110	ppbv	99
16) 1,3-Butadiene	3.42	39	847608	8.688	ppbv	99
17) tert-Butyl alcohol	4.42	59	726579	8.060	ppbv	100
18) 1,1-Dichloroethene	4.42	96	615887	9.041	ppbv	95
19) Isopropyl Alcohol	4.09	45	1279112	10.089	ppbv	# 99
20) Methylene Chloride	4.48	84	563540	8.613	ppbv	97
21) Allyl Chloride	4.55	41	1103577	9.763	ppbv	98
22) trans-1,2-Dichloroethene	5.04	96	650815	10.038	ppbv	95
23) Vinyl Acetate	5.23	43	3070492	9.562	ppbv	99
24) 1,1-Dichloroethane	5.16	63	2076698	9.211	ppbv	99
25) Ethyl Acetate	5.85	43	3638168	9.522	ppbv	100
26) Hexane	5.86	57	1655976	9.501	ppbv	100
27) Carbon Disulfide	4.69	76	1599694	10.258	ppbv	100
28) Methyl tert-Butyl Ether	5.19	73	2610560	9.516	ppbv	99
29) Chloroform	5.93	83	2447481	9.096	ppbv	99
30) Cyclohexane	7.33	84	1531888	9.960	ppbv	98
31) cis-1,2-Dichloroethene	5.72	61	1704696	9.801	ppbv	99
32) 1,1,1-Trichloroethane	6.70	97	2549530	9.765	ppbv	100
34) 2-Butanone	5.40	43	2584269	9.677	ppbv	99
35) Carbon Tetrachloride	7.22	117	2609509	9.837	ppbv	99
36) Benzene	7.09	78	3749435	9.625	ppbv	99
37) 1,2-Dichloroethane	6.50	62	2130329	9.990	ppbv	100
38) Trichloroethene	8.05	130	1219312	9.126	ppbv	97
39) 1,2-Dichloropropane	7.82	63	1519002	9.813	ppbv	99
40) 1,4-Dioxane	8.04	88	525259	9.895	ppbv	# 94
41) Tetrahydrofuran	6.23	42	1502795	10.055	ppbv	98
42) Bromodichloromethane	8.01	83	2935608	9.667	ppbv	99
43) Methyl Methacrylate	8.22	69	1542588	10.248	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6421450	9.585	ppbv	100
45) t-1,3-Dichloropropene	9.51	75	2260084	12.607	ppbv	98
46) cis-1,3-Dichloropropene	8.93	75	2201831	9.005	ppbv	100
47) 1,1,2-Trichloroethane	9.71	97	1515381	8.764	ppbv	98
48) Dibromochloromethane	10.55	129	2539146	9.871	ppbv	99
49) Bromoform	13.30	173	2085237	10.112	ppbv	100
50) 4-Methyl-2-Pentanone	8.96	43	4263770	9.229	ppbv	99
51) 2-Hexanone	10.37	43	3873800	10.040	ppbv	99
52) Tetrachloroethene	11.47	164	1225239	8.513	ppbv	98
53) Toluene	10.04	91	4123473	8.954	ppbv	99
54) 1,2-Dibromoethane	10.86	107	2336817	9.155	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.38	131	1794159	8.612	ppbv	100
57) Chlorobenzene	12.40	112	3366562	8.305	ppbv	99
58) Ethyl Benzene	12.96	91	6276206	8.987	ppbv	99
59) m/p-Xylene	13.25	91	10112698m	17.599	ppbv	
60) o-Xylene	13.95	91	4856090	8.564	ppbv	100
61) Styrene	13.78	104	3995992	9.405	ppbv	100
62) Isopropylbenzene	14.92	105	6794438	8.546	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.94	83	3633090	7.876	ppbv	100
64) n-propylbenzene	15.82	120	1771669	8.802	ppbv	98
65) tert-Butylbenzene	17.01	119	5563112	8.353	ppbv	100
66) Benzyl Chloride	17.26	91	3780169	11.216	ppbv	99
67) sec-Butylbenzene	17.56	105	8356237	8.587	ppbv	99
69) p-Isopropyltoluene	17.91	119	6661603	8.792	ppbv	99
70) n-Butylbenzene	18.81	91	7479955	8.937	ppbv	100
71) 2-Chlorotoluene	15.72	91	5506496	8.800	ppbv	99
72) 4-Ethyltoluene	16.10	105	5815837	9.141	ppbv	99
73) 1,3,5-Trimethylbenzene	16.25	105	5527193	9.343	ppbv	98
74) 1,2,4-Trimethylbenzene	17.03	105	5364669	8.868	ppbv	98
75) 1,3-Dichlorobenzene	17.26	146	2936688	8.137	ppbv	99
76) 1,4-Dichlorobenzene	17.41	146	3029075	8.571	ppbv	99
77) 1,2-Dichlorobenzene	18.09	146	2963625	8.263	ppbv	100
78) Hexachloro-1,3-Butadiene	23.63	225	842605	7.538	ppbv	99
79) Naphthalene	22.53	128	5160331	12.707	ppbv	99
80) Naphthalene,2-methyl-	25.19	142	2550264	19.657	ppbv	99
81) 1,2,4-Trichlorobenzene	22.25	180	2354623m	11.587	ppbv	

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

