

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
 Data File : VL032451.D
 Acq On : 31 Aug 2018 22:16
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:27:00 AM

Quant Time: Sep 01 03:54:05 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1485494	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3390262	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3353585m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2373269	9.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.11	85	1248434	6.570	ppbv	100
3) Chlorodifluoromethane	3.04	51	1317069	9.795	ppbv	96
4) Chloromethane	3.20	50	787756	9.675	ppbv	100
5) Vinyl Chloride	3.32	62	744405	9.263	ppbv	100
6) Bromomethane	3.55	94	416424	9.871	ppbv	99
7) Chloroethane	3.63	64	262387	9.433	ppbv	100
8) Dichlorotetrafluoroethane	3.25	85	1540690	9.136	ppbv	93
9) Propene	3.06	41	708612	13.064	ppbv	98
10) Heptane	8.30	43	2244494	11.534	ppbv	98
11) Trichlorofluoromethane	4.04	101	1483214	8.657	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1047604	9.023	ppbv	93
13) Ethanol	3.68	45	176013	10.410	ppbv	98
14) Bromoethene	3.82	108	510375	10.376	ppbv	99
15) Acetone	3.94	43	1251128	9.353	ppbv	99
16) 1,3-Butadiene	3.39	39	615443	9.777	ppbv	96
17) tert-Butyl alcohol	4.40	59	268795	13.057	ppbv #	100
18) 1,1-Dichloroethene	4.39	96	524222	9.880	ppbv	96
19) Isopropyl Alcohol	4.06	45	1048760	11.951	ppbv #	10
20) Methylene Chloride	4.45	84	455886	8.938	ppbv	94
21) Allyl Chloride	4.51	41	963363	10.843	ppbv	99
22) trans-1,2-Dichloroethene	5.00	96	538789	9.358	ppbv	97
23) Vinyl Acetate	5.20	43	2545445	11.480	ppbv	99
24) 1,1-Dichloroethane	5.13	63	1604683	8.783	ppbv	99
25) Ethyl Acetate	5.81	43	3249757	10.287	ppbv	100
26) Hexane	5.82	57	1440354	10.183	ppbv	95
27) Carbon Disulfide	4.66	76	1308080	10.018	ppbv	99
28) Methyl tert-Butyl Ether	5.15	73	1974997	11.372	ppbv	99
29) Chloroform	5.89	83	1992040	9.236	ppbv	99
30) Cyclohexane	7.30	84	1251790	12.086	ppbv	99
31) cis-1,2-Dichloroethene	5.68	61	1479338	11.550	ppbv	94
32) 1,1,1-Trichloroethane	6.67	97	1959702	9.748	ppbv	96
34) 2-Butanone	5.37	43	2288689	10.163	ppbv	100
35) Carbon Tetrachloride	7.18	117	1885359	8.274	ppbv	98
36) Benzene	7.05	78	2988234	10.358	ppbv	99
37) 1,2-Dichloroethane	6.46	62	1485625	8.403	ppbv	97
38) Trichloroethene	8.01	130	1100655	10.043	ppbv	99
39) 1,2-Dichloropropane	7.79	63	1184530	9.596	ppbv	98
40) 1,4-Dioxane	8.00	88	436010	11.773	ppbv	74
41) Tetrahydrofuran	6.19	42	1417088	11.559	ppbv	98
42) Bromodichloromethane	7.97	83	2359110	9.674	ppbv	99
43) Methyl Methacrylate	8.19	69	1347573	11.010	ppbv	94

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	5542980	9.937	ppbv	99
45) t-1,3-Dichloropropene	9.47	75	1550509	11.838	ppbv	96
46) cis-1,3-Dichloropropene	8.89	75	2000898	11.955	ppbv	98
47) 1,1,2-Trichloroethane	9.67	97	1262826	9.622	ppbv	96
48) Dibromochloromethane	10.51	129	1781199	9.799	ppbv	100
49) Bromoform	13.26	173	1510122	9.558	ppbv	100
50) 4-Methyl-2-Pentanone	8.92	43	3455404	10.186	ppbv	99
51) 2-Hexanone	10.32	43	2524042	11.551	ppbv #	99
52) Tetrachloroethene	11.43	164	910785	10.181	ppbv	96
53) Toluene	10.00	91	3318837	11.005	ppbv	99
54) 1,2-Dibromoethane	10.81	107	1914110	10.863	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.33	131	1291030	8.539	ppbv	97
57) Chlorobenzene	12.36	112	2407449	8.982	ppbv	97
58) Ethyl Benzene	12.92	91	4483984	11.173	ppbv	100
59) m/p-Xylene	13.20	91	7032661m	19.656	ppbv	
60) o-Xylene	13.91	91	3366362	9.578	ppbv	98
61) Styrene	13.74	104	2805684	12.331	ppbv	97
62) Isopropylbenzene	14.88	105	4910004	9.938	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.89	83	2444144	7.778	ppbv	99
64) n-propylbenzene	15.78	120	1306797	10.118	ppbv	99
65) tert-Butylbenzene	16.96	119	4136121	9.715	ppbv	97
66) Benzyl Chloride	17.21	91	2810183	11.849	ppbv	98
67) sec-Butylbenzene	17.51	105	6218972	9.713	ppbv	99
69) p-Isopropyltoluene	17.87	119	4978303	10.033	ppbv	98
70) n-Butylbenzene	18.76	91	5386912	9.577	ppbv	99
71) 2-Chlorotoluene	15.67	91	3896091	10.322	ppbv	100
72) 4-Ethyltoluene	16.05	105	4164239	10.852	ppbv	99
73) 1,3,5-Trimethylbenzene	16.21	105	3913381	10.180	ppbv	100
74) 1,2,4-Trimethylbenzene	16.98	105	3839679	9.136	ppbv	92
75) 1,3-Dichlorobenzene	17.22	146	2162937	8.673	ppbv	99
76) 1,4-Dichlorobenzene	17.36	146	2225130	9.617	ppbv	100
77) 1,2-Dichlorobenzene	18.04	146	2193319	9.116	ppbv	99
78) Hexachloro-1,3-Butadiene	23.59	225	707005	7.864	ppbv	99
79) Naphthalene	22.47	128	3854938	11.279	ppbv	98
80) Naphthalene,2-methyl-	25.15	142	1740291	19.137	ppbv	99
81) 1,2,4-Trichlorobenzene	22.20	180	1767953	10.271	ppbv	98

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

