

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090518\
 Data File : VL032479.D
 Acq On : 6 Sep 2018 9:07
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/7/2018 10:46:13 AM

Quant Time: Sep 06 14:56:48 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	5.80	49	1404237	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	2998773	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	2992793m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2185390	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.10	85	1057868	5.89	ppbv	99
3) Chlorodifluoromethane	3.04	51	1259835	9.91	ppbv	99
4) Chloromethane	3.19	50	741920	9.64	ppbv	100
5) Vinyl Chloride	3.32	62	708184	9.32	ppbv	100
6) Bromomethane	3.54	94	378539	9.49	ppbv	100
7) Chloroethane	3.63	64	248075	9.43	ppbv	99
8) Dichlorotetrafluoroethane	3.24	85	1484764	9.31	ppbv	97
9) Propene	3.06	41	608074	11.86	ppbv	99
10) Heptane	8.29	43	2159429	11.74	ppbv	99
11) Trichlorofluoromethane	4.04	101	1412868	8.72	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1109827	10.11	ppbv	97
13) Ethanol	3.68	45	153493	9.60	ppbv	95
14) Bromoethene	3.82	108	466304	10.03	ppbv	100
15) Acetone	3.93	43	1125406	8.90	ppbv	97
16) 1,3-Butadiene	3.39	39	617585	10.38	ppbv	88
17) tert-Butyl alcohol	4.39	59	206183	10.60	ppbv #	100
18) 1,1-Dichloroethene	4.38	96	473895	9.45	ppbv	97
19) Isopropyl Alcohol	4.05	45	917260	11.06	ppbv #	98
20) Methylene Chloride	4.44	84	401544	8.33	ppbv	96
21) Allyl Chloride	4.51	41	925949	11.02	ppbv	97
22) trans-1,2-Dichloroethene	5.00	96	454567	8.35	ppbv	98
23) Vinyl Acetate	5.19	43	2566142	12.24	ppbv	99
24) 1,1-Dichloroethane	5.13	63	1713428	9.92	ppbv	99
25) Ethyl Acetate	5.81	43	3191194	10.69	ppbv	99
26) Hexane	5.82	57	1450395	10.85	ppbv	97
27) Carbon Disulfide	4.65	76	1353297	10.96	ppbv	98
28) Methyl tert-Butyl Ether	5.15	73	1979686	12.06	ppbv	99
29) Chloroform	5.89	83	2061752	10.11	ppbv	97
30) Cyclohexane	7.29	84	1205978	12.32	ppbv	99
31) cis-1,2-Dichloroethene	5.68	61	1452738	12.00	ppbv	96
32) 1,1,1-Trichloroethane	6.66	97	1954389	10.28	ppbv	98
34) 2-Butanone	5.36	43	2214461	11.12	ppbv	99
35) Carbon Tetrachloride	7.18	117	1928976	9.57	ppbv	99
36) Benzene	7.05	78	2912531	11.41	ppbv	99
37) 1,2-Dichloroethane	6.45	62	1560966	9.98	ppbv	99
38) Trichloroethene	8.01	130	952476	9.83	ppbv	98
39) 1,2-Dichloropropane	7.78	63	1136857	10.41	ppbv	98
40) 1,4-Dioxane	8.00	88	382653	11.68	ppbv	78
41) Tetrahydrofuran	6.19	42	1337632	12.34	ppbv	99
42) Bromodichloromethane	7.96	83	2169106	10.06	ppbv	99
43) Methyl Methacrylate	8.18	69	1199128	11.08	ppbv	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	4981127	10.10	ppbv	99
45) t-1,3-Dichloropropene	9.46	75	1577833	13.62	ppbv	98
46) cis-1,3-Dichloropropene	8.88	75	1884169	12.73	ppbv	99
47) 1,1,2-Trichloroethane	9.66	97	1199243	10.33	ppbv	99
48) Dibromochloromethane	10.50	129	1725721	10.73	ppbv	100
49) Bromoform	13.25	173	1395336	9.98	ppbv	100
50) 4-Methyl-2-Pentanone	8.91	43	3330748	11.10	ppbv	100
51) 2-Hexanone	10.31	43	2470175	12.78	ppbv #	99
52) Tetrachloroethene	11.42	164	837943	10.59	ppbv	98
53) Toluene	9.99	91	3271208	12.26	ppbv	100
54) 1,2-Dibromoethane	10.81	107	1626998	10.44	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.33	131	1239708	9.19	ppbv #	61
57) Chlorobenzene	12.35	112	2277951	9.52	ppbv	99
58) Ethyl Benzene	12.91	91	4221582	11.79	ppbv	100
59) m/p-Xylene	13.20	91	6768447m	21.20	ppbv	
60) o-Xylene	13.90	91	3297240	10.51	ppbv	99
61) Styrene	13.74	104	2551869	12.57	ppbv	99
62) Isopropylbenzene	14.88	105	4747999	10.77	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.88	83	2455491	8.76	ppbv	100
64) n-propylbenzene	15.77	120	1235623	10.72	ppbv	97
65) tert-Butylbenzene	16.96	119	3997004	10.52	ppbv	99
66) Benzyl Chloride	17.21	91	2396734	11.32	ppbv	100
67) sec-Butylbenzene	17.51	105	6036817	10.57	ppbv	98
69) p-Isopropyltoluene	17.86	119	4804547	10.85	ppbv	99
70) n-Butylbenzene	18.76	91	5270949	10.50	ppbv	100
71) 2-Chlorotoluene	15.67	91	3774857	11.21	ppbv	99
72) 4-Ethyltoluene	16.05	105	3960274	11.57	ppbv	99
73) 1,3,5-Trimethylbenzene	16.21	105	3768122	10.98	ppbv	95
74) 1,2,4-Trimethylbenzene	16.98	105	3741790	9.98	ppbv	97
75) 1,3-Dichlorobenzene	17.21	146	2074836	9.32	ppbv	100
76) 1,4-Dichlorobenzene	17.36	146	2098196	10.16	ppbv	100
77) 1,2-Dichlorobenzene	18.04	146	2097432	9.77	ppbv	100
78) Hexachloro-1,3-Butadiene	23.59	225	1260646	15.71	ppbv	100
79) Naphthalene	22.47	128	3571342	11.71	ppbv	99
80) Naphthalene, 2-methyl-	25.15	142	1413004	17.41	ppbv	100
81) 1,2,4-Trichlorobenzene	22.19	180	1694569	11.03	ppbv	100

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

