

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL083118\
 Data File : VL032438.D
 Acq On : 31 Aug 2018 5:44
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL083118

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:25:50 AM

Quant Time: Sep 02 22:03:49 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 08:15:23 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	2050682	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	4257346	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	4317594m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	3103405	9.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.11	85	1992405	7.60	ppbv	97
3) Chlorodifluoromethane	3.04	51	1728398	9.31	ppbv	100
4) Chloromethane	3.20	50	1067663	9.50	ppbv	98
5) Vinyl Chloride	3.32	62	1007262	9.08	ppbv	98
6) Bromomethane	3.55	94	574538	9.87	ppbv	99
7) Chloroethane	3.63	64	377263	9.82	ppbv	100
8) Dichlorotetrafluoroethane	3.25	85	2151724	9.24	ppbv	100
9) Propene	3.07	41	795203	10.62	ppbv	100
10) Heptane	8.30	43	2822782	10.51	ppbv	99
11) Trichlorofluoromethane	4.04	101	2214384	9.36	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1481576	9.24	ppbv	99
13) Ethanol	3.68	45	195696	8.38	ppbv	94
14) Bromoethene	3.82	108	685230	10.09	ppbv	99
15) Acetone	3.94	43	1687083	9.14	ppbv	100
16) 1,3-Butadiene	3.40	39	867672	10.09	ppbv	93
17) tert-Butyl alcohol	4.40	59	251366	8.85	ppbv	98
18) 1,1-Dichloroethene	4.39	96	718349	9.81	ppbv	96
19) Isopropyl Alcohol	4.06	45	1313653	10.84	ppbv	100
20) Methylene Chloride	4.45	84	639245	9.08	ppbv	99
21) Allyl Chloride	4.52	41	1267173	10.33	ppbv	100
22) trans-1,2-Dichloroethene	5.01	96	725198	9.12	ppbv	98
23) Vinyl Acetate	5.20	43	3156347	10.31	ppbv	99
24) 1,1-Dichloroethane	5.13	63	2183935	8.66	ppbv	99
25) Ethyl Acetate	5.81	43	4088041	9.37	ppbv	100
26) Hexane	5.83	57	1882160	9.64	ppbv	99
27) Carbon Disulfide	4.66	76	1859759	10.32	ppbv	99
28) Methyl tert-Butyl Ether	5.16	73	2233109	9.31	ppbv	100
29) Chloroform	5.90	83	2721310	9.14	ppbv	98
30) Cyclohexane	7.30	84	1510500	10.56	ppbv	98
31) cis-1,2-Dichloroethene	5.69	61	1859558	10.52	ppbv	97
32) 1,1,1-Trichloroethane	6.67	97	2551117	9.19	ppbv	99
34) 2-Butanone	5.37	43	2810376	9.94	ppbv	100
35) Carbon Tetrachloride	7.19	117	2563772	8.96	ppbv	99
36) Benzene	7.06	78	3636387	10.04	ppbv	98
37) 1,2-Dichloroethane	6.46	62	2079193	9.36	ppbv	100
38) Trichloroethene	8.02	130	1408328	10.23	ppbv	99
39) 1,2-Dichloropropane	7.79	63	1491629	9.62	ppbv	96
40) 1,4-Dioxane	8.01	88	563263m	12.11	ppbv	
41) Tetrahydrofuran	6.19	42	1633111	10.61	ppbv	100
42) Bromodichloromethane	7.97	83	3110866	10.16	ppbv	98
43) Methyl Methacrylate	8.19	69	1690160	11.00	ppbv	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL083118\
 Data File : VL032438.D
 Acq On : 31 Aug 2018 5:44
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL083118

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:25:50 AM

Quant Time: Sep 02 22:03:49 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 08:15:23 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	7144592	10.20	ppbv	100
45) t-1,3-Dichloropropene	9.47	75	2009545	12.22	ppbv	99
46) cis-1,3-Dichloropropene	8.89	75	2452451	11.67	ppbv	98
47) 1,1,2-Trichloroethane	9.67	97	1598535	9.70	ppbv	98
48) Dibromochloromethane	10.51	129	2230569	9.77	ppbv	100
49) Bromoform	13.26	173	1980484	9.98	ppbv	100
50) 4-Methyl-2-Pentanone	8.92	43	4314660	10.13	ppbv	100
51) 2-Hexanone	10.32	43	3055567	11.14	ppbv	100
52) Tetrachloroethene	11.43	164	1087330	9.68	ppbv	97
53) Toluene	10.00	91	3998318	10.56	ppbv	100
54) 1,2-Dibromoethane	10.82	107	2363211	10.68	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.34	131	1695107	8.71	ppbv #	57
57) Chlorobenzene	12.36	112	3047552	8.83	ppbv	99
58) Ethyl Benzene	12.92	91	5465472	10.58	ppbv	100
59) m/p-Xylene	13.21	91	8958620m	18.71	ppbv	
60) o-Xylene	13.91	91	4395607	9.71	ppbv	99
61) Styrene	13.74	104	3348119	11.43	ppbv	100
62) Isopropylbenzene	14.88	105	6106086	9.60	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.89	83	3375738	8.34	ppbv	99
64) n-propylbenzene	15.78	120	1632685	9.82	ppbv	99
65) tert-Butylbenzene	16.96	119	5164334	9.42	ppbv	100
66) Benzyl Chloride	17.21	91	3292804	10.78	ppbv	100
67) sec-Butylbenzene	17.51	105	7787418	9.45	ppbv	100
69) p-Isopropyltoluene	17.87	119	6227790	9.75	ppbv	100
70) n-Butylbenzene	18.77	91	6936028	9.58	ppbv	100
71) 2-Chlorotoluene	15.67	91	4918303	10.12	ppbv	99
72) 4-Ethyltoluene	16.06	105	5166649	10.46	ppbv	100
73) 1,3,5-Trimethylbenzene	16.22	105	4902936	9.91	ppbv	98
74) 1,2,4-Trimethylbenzene	16.99	105	4867683	9.00	ppbv	93
75) 1,3-Dichlorobenzene	17.22	146	2774769	8.64	ppbv	100
76) 1,4-Dichlorobenzene	17.37	146	2815588	9.45	ppbv	100
77) 1,2-Dichlorobenzene	18.05	146	2779933	8.97	ppbv	100
78) Hexachloro-1,3-Butadiene	23.59	225	1666639m	14.40	ppbv	
79) Naphthalene	22.48	128	4769679	10.84	ppbv	99
80) Naphthalene, 2-methyl-	25.15	142	1883292	16.09	ppbv	100
81) 1,2,4-Trichlorobenzene	22.20	180	2252531	10.16	ppbv	100

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

