

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122018\
 Data File : VL033026.D
 Acq On : 20 Dec 2018 15:25
 Operator : SY/AP
 Sample : VL1220ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1220ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 8:26:18 AM

Quant Time: Dec 23 10:58:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1315284	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3132083	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3114846m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2386513	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1859382	10.590	ppbv	96
3) Chlorodifluoromethane	3.02	51	983305	9.871	ppbv	99
4) Chloromethane	3.17	50	538258	9.282	ppbv	98
5) Vinyl Chloride	3.30	62	567907	9.624	ppbv	97
6) Bromomethane	3.52	94	375894	10.185	ppbv	97
7) Chloroethane	3.61	64	219204	10.365	ppbv	97
8) Dichlorotetrafluoroethane	3.23	85	1462700	10.024	ppbv	99
9) Propene	3.04	41	390259	9.908	ppbv	99
10) Heptane	8.25	43	1493224	10.092	ppbv	100
11) Trichlorofluoromethane	4.01	101	1634582	9.881	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1090567	7.727	ppbv	100
13) Ethanol	3.65	45	101680	7.498	ppbv	97
14) Bromoethene	3.79	108	492450	10.509	ppbv	100
15) Acetone	3.91	43	1032450	9.145	ppbv	99
16) 1,3-Butadiene	3.37	39	443795	9.908	ppbv	90
17) tert-Butyl alcohol	4.36	59	261884	9.111	ppbv #	82
18) 1,1-Dichloroethene	4.36	96	510237	9.230	ppbv	100
19) Isopropyl Alcohol	4.03	45	719944	10.155	ppbv	99
20) Methylene Chloride	4.42	84	426841	7.736	ppbv	98
21) Allyl Chloride	4.48	41	777182	8.447	ppbv	98
22) trans-1,2-Dichloroethene	4.97	96	725616	10.577	ppbv	98
23) Vinyl Acetate	5.16	43	2161587	11.309	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1668926	10.041	ppbv	99
25) Ethyl Acetate	5.78	43	2767907	10.379	ppbv	100
26) Hexane	5.79	57	1269037	10.307	ppbv	98
27) Carbon Disulfide	4.62	76	1239116	8.049	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2082397	11.261	ppbv	100
29) Chloroform	5.86	83	2165325	9.856	ppbv	95
30) Cyclohexane	7.25	84	1044481	10.235	ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	1306227	11.561	ppbv	97
32) 1,1,1-Trichloroethane	6.63	97	2232918	9.606	ppbv	99
34) 2-Butanone	5.34	43	1673765	12.268	ppbv	99
35) Carbon Tetrachloride	7.14	117	2367725	9.618	ppbv	98
36) Benzene	7.01	78	2410405	10.463	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1636202	10.432	ppbv	100
38) Trichloroethene	7.97	130	1077850	11.242	ppbv	99
39) 1,2-Dichloropropane	7.74	63	904834	10.357	ppbv	96
40) 1,4-Dioxane	7.96	88	351858	10.934	ppbv #	94
41) Tetrahydrofuran	6.16	42	931983	10.984	ppbv	99
42) Bromodichloromethane	7.93	83	2311374	10.636	ppbv	100
43) Methyl Methacrylate	8.15	69	972445	11.392	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122018\
 Data File : VL033026.D
 Acq On : 20 Dec 2018 15:25
 Operator : SY/AP
 Sample : VL1220ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1220ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 8:26:18 AM

Quant Time: Dec 23 10:58:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4230766	10.819	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1323397	12.644	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	1096386	8.559	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	1013247	10.537	ppbv	100
48) Dibromochloromethane	10.46	129	1909345	10.584	ppbv	100
49) Bromoform	13.21	173	1709406	11.521	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	1679579	7.699	ppbv	99
51) 2-Hexanone	10.28	43	1656695	11.197	ppbv	99
52) Tetrachloroethene	11.38	164	889867	10.619	ppbv	98
53) Toluene	9.95	91	2827863	11.574	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1577426	10.500	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1376213	9.910	ppbv	98
57) Chlorobenzene	12.31	112	2258142	10.038	ppbv	98
58) Ethyl Benzene	12.87	91	3981973	11.984	ppbv	98
59) m/p-Xylene	13.14	91	6875614m	22.823	ppbv	
60) o-Xylene	13.86	91	3363448	11.056	ppbv	100
61) Styrene	13.69	104	2473319	12.222	ppbv	100
62) Isopropylbenzene	14.83	105	4642466	10.937	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	2299389	9.734	ppbv	100
64) n-propylbenzene	15.73	120	1196889	10.857	ppbv	99
65) tert-Butylbenzene	16.91	119	4282757	10.884	ppbv	100
66) Benzyl Chloride	17.16	91	2537584	11.635	ppbv	100
67) sec-Butylbenzene	17.47	105	6008992	10.358	ppbv	100
69) p-Isopropyltoluene	17.82	119	5208568	11.078	ppbv	100
70) n-Butylbenzene	18.72	91	5251050	12.139	ppbv	100
71) 2-Chlorotoluene	15.62	91	3453792	10.942	ppbv	99
72) 4-Ethyltoluene	16.01	105	3844781	11.320	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	3712979	11.198	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	3898310	10.412	ppbv	94
75) 1,3-Dichlorobenzene	17.17	146	2205689	10.004	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2110644	10.259	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2208709	10.727	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1034261	9.134	ppbv	99
79) Naphthalene	22.42	128	3132172	12.956	ppbv	100
80) Naphthalene, 2-methyl-	25.12	142	638869	12.369	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1545574m	12.055	ppbv	

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

