

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101818\
 Data File : VL032683.D
 Acq On : 19 Oct 2018 14:14
 Operator : SY/AP
 Sample : J5164-14 L00 1 PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2018

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 12:06:56 PM

Quant Time: Oct 20 00:00:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 19 2018
 QLast Update : Fri Oct 19 01:25:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1559693	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3722684	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	3627233	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2748862	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.09	85	163071	1.026	ppbv	94
3) Chlorodifluoromethane	3.02	51	133001	1.090	ppbv	95
4) Chloromethane	3.18	50	71337	1.047	ppbv	98
5) Vinyl Chloride	3.30	62	70584	0.956	ppbv	99
6) Bromomethane	3.53	94	45588	0.990	ppbv	90
7) Chloroethane	3.62	64	26772	0.985	ppbv	90
8) Dichlorotetrafluoroethane	3.23	85	190906	1.140	ppbv	96
9) Propene	3.05	41	48547	0.967	ppbv	98
10) Heptane	8.26	43	181422	0.938	ppbv	97
11) Trichlorofluoromethane	4.01	101	195431	0.942	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.56	101	188899	1.094	ppbv	95
13) Ethanol	3.67	45	20364	1.419	ppbv	99
14) Bromoethene	3.80	108	55792	0.956	ppbv	97
15) Acetone	3.92	43	139366	0.968	ppbv	98
16) 1,3-Butadiene	3.38	39	59278	1.119	ppbv #	79
17) tert-Butyl alcohol	4.39	59	51545m	1.217	ppbv	
18) 1,1-Dichloroethene	4.36	96	86107	1.135	ppbv	90
19) Isopropyl Alcohol	4.05	45	93794	0.914	ppbv #	95
20) Methylene Chloride	4.42	84	81792	1.119	ppbv	92
21) Allyl Chloride	4.49	41	122408	1.035	ppbv	94
22) trans-1,2-Dichloroethene	4.98	96	78375	1.008	ppbv	89
23) Vinyl Acetate	5.17	43	230369	0.903	ppbv	97
24) 1,1-Dichloroethane	5.10	63	178548	0.891	ppbv	99
25) Ethyl Acetate	5.79	43	343892	1.037	ppbv	99
26) Hexane	5.79	57	163556	1.043	ppbv	97
27) Carbon Disulfide	4.63	76	184490	0.970	ppbv #	91
28) Methyl tert-Butyl Ether	5.14	73	195327m	0.866	ppbv	
29) Chloroform	5.86	83	268198	1.070	ppbv	98
30) Cyclohexane	7.26	84	112671	0.907	ppbv	96
31) cis-1,2-Dichloroethene	5.65	61	133149	0.915	ppbv	96
32) 1,1,1-Trichloroethane	6.63	97	254062	0.998	ppbv	99
34) 2-Butanone	5.35	43	203626	1.020	ppbv	100
35) Carbon Tetrachloride	7.15	117	275854	1.044	ppbv	96
36) Benzene	7.02	78	290756	0.962	ppbv	98
37) 1,2-Dichloroethane	6.43	62	194283	1.048	ppbv	99
38) Trichloroethene	7.98	130	115902	1.036	ppbv	95
39) 1,2-Dichloropropane	7.75	63	113132	0.969	ppbv	99
40) 1,4-Dioxane	8.00	88	43450m	1.090	ppbv	
41) Tetrahydrofuran	6.18	42	103562	0.931	ppbv	97
42) Bromodichloromethane	7.93	83	264480	1.018	ppbv	99
43) Methyl Methacrylate	8.16	69	98521	0.889	ppbv	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	547643	1.061	ppbv	97
45) t-1,3-Dichloropropene	9.43	75	122167	0.824	ppbv	94
46) cis-1,3-Dichloropropene	8.85	75	135272	0.798	ppbv	93
47) 1,1,2-Trichloroethane	9.63	97	141972	1.029	ppbv	97
48) Dibromochloromethane	10.47	129	211729	0.921	ppbv	98
49) Bromoform	13.22	173	192153	1.064	ppbv	97
50) 4-Methyl-2-Pentanone	8.90	43	288170	0.975	ppbv	97
51) 2-Hexanone	10.31	43	175930	0.801	ppbv #	94
52) Tetrachloroethene	11.39	164	100347	0.952	ppbv	97
53) Toluene	9.97	91	322373m	0.930	ppbv	
54) 1,2-Dibromoethane	10.78	107	186616	0.995	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.30	131	179306	1.130	ppbv #	1
57) Chlorobenzene	12.32	112	287935m	1.079	ppbv	
58) Ethyl Benzene	12.88	91	411963	0.978	ppbv	100
59) m/p-Xylene	13.16	91	801320m	2.135	ppbv	
60) o-Xylene	13.87	91	381095	1.053	ppbv	99
61) Styrene	13.70	104	222463	0.917	ppbv	99
62) Isopropylbenzene	14.84	105	538953	1.052	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	308764	1.089	ppbv	98
64) n-propylbenzene	15.74	120	133157m	1.046	ppbv	
65) tert-Butylbenzene	16.92	119	465150	1.066	ppbv	98
66) Benzyl Chloride	17.17	91	211929m	0.941	ppbv	
67) sec-Butylbenzene	17.48	105	675676	1.089	ppbv	100
69) p-Isopropyltoluene	17.84	119	508824	1.035	ppbv	99
70) n-Butylbenzene	18.73	91	530560	1.048	ppbv	98
71) 2-Chlorotoluene	15.64	91	365177	1.003	ppbv	100
72) 4-Ethyltoluene	16.02	105	391894	1.017	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.17	105	395270	1.053	ppbv	99
74) 1,2,4-Trimethylbenzene	16.94	105	439766	1.097	ppbv #	94
75) 1,3-Dichlorobenzene	17.18	146	259418	1.125	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	218668	1.028	ppbv	97
77) 1,2-Dichlorobenzene	18.00	146	232532m	1.064	ppbv	
78) Hexachloro-1,3-Butadiene	23.56	225	109416	1.060	ppbv	99
79) Naphthalene	22.44	128	160673m	0.645	ppbv	
80) Naphthalene, 2-methyl-	25.14	142	8161	0.135	ppbv	98
81) 1,2,4-Trichlorobenzene	22.16	180	97261m	0.753	ppbv	

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

