

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012720\
 Data File : VL034559.D
 Acq On : 27 Jan 2020 12:59
 Operator : SY/AP
 Sample : VL0127ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01

Manual Integrations
 APPROVED

MMDadoda
 1/28/2020 2:02:50 PM

Quant Time: Jan 28 00:48:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 0
 QLast Update : Thu Jan 09 03:01:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1057604	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2121936	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2244146m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1831733	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	2049124	12.286	ppbv 100
3) Chlorodifluoromethane	2.96	51	1234267	9.795	ppbv 98
4) Chloromethane	3.11	50	652788	8.721	ppbv 96
5) Vinyl Chloride	3.23	62	645091	8.801	ppbv 99
6) Bromomethane	3.45	94	378861	10.384	ppbv 99
7) Chloroethane	3.54	64	248175	9.717	ppbv 95
8) Dichlorotetrafluoroethane	3.16	85	1570977	9.391	ppbv 100
9) Propene	2.98	41	456768	9.402	ppbv 98
10) Heptane	8.15	43	1242163	9.901	ppbv 99
11) Trichlorofluoromethane	3.94	101	1856403	9.618	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1224028	9.970	ppbv 100
13) Ethanol	3.59	45	103445	7.674	ppbv 97
14) Bromoethene	3.72	108	494617	9.962	ppbv 99
15) Acetone	3.84	43	1306583	8.465	ppbv 99
16) 1,3-Butadiene	3.30	39	590907	9.954	ppbv 99
17) tert-Butyl alcohol	4.28	59	960050	7.768	ppbv 99
18) 1,1-Dichloroethene	4.28	96	539109	10.081	ppbv 93
19) Isopropyl Alcohol	3.96	45	728549	7.292	ppbv # 99
20) Methylene Chloride	4.34	84	467346	7.695	ppbv 98
21) Allyl Chloride	4.40	41	881073	9.932	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	535389	9.843	ppbv 89
23) Vinyl Acetate	5.08	43	1767412	9.918	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1340520	9.364	ppbv 99
25) Ethyl Acetate	5.69	43	2215734	9.192	ppbv 100
26) Hexane	5.69	57	981791	9.667	ppbv 96
27) Carbon Disulfide	4.55	76	1359022	10.586	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1714692	10.108	ppbv 100
29) Chloroform	5.77	83	1660921	9.451	ppbv 98
30) Cyclohexane	7.16	84	786304	10.416	ppbv 96
31) cis-1,2-Dichloroethene	5.56	61	1029242	9.944	ppbv 95
32) 1,1,1-Trichloroethane	6.53	97	1756681	9.630	ppbv 99
34) 2-Butanone	5.25	43	1434038	9.457	ppbv 99
35) Carbon Tetrachloride	7.04	117	1877303	9.755	ppbv 98
36) Benzene	6.92	78	1831613	9.902	ppbv 100
37) 1,2-Dichloroethane	6.33	62	1449965	9.653	ppbv 99
38) Trichloroethene	7.87	130	761293	10.189	ppbv 97
39) 1,2-Dichloropropane	7.65	63	753612	9.908	ppbv 95
40) 1,4-Dioxane	7.86	88	257231	8.356	ppbv # 96
41) Tetrahydrofuran	6.06	42	784839	10.090	ppbv 98
42) Bromodichloromethane	7.83	83	1842914	9.971	ppbv 97
43) Methyl Methacrylate	8.04	69	788817	10.455	ppbv 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012720\
 Data File : VL034559.D
 Acq On : 27 Jan 2020 12:59
 Operator : SY/AP
 Sample : VL0127ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01

Manual Integrations
 APPROVED

MMDadoda
 1/28/2020 2:02:50 PM

Quant Time: Jan 28 00:48:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 0
 QLast Update : Thu Jan 09 03:01:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3288085	9.610	ppbv	99
45) t-1,3-Dichloropropene	9.32	75	1054017	10.844	ppbv	97
46) cis-1,3-Dichloropropene	8.74	75	1179481	10.616	ppbv	99
47) 1,1,2-Trichloroethane	9.52	97	805484	9.607	ppbv	97
48) Dibromochloromethane	10.35	129	1570008	10.802	ppbv	99
49) Bromoform	13.10	173	1392639	10.584	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2185886	9.930	ppbv	100
51) 2-Hexanone	10.17	43	1789800	10.073	ppbv #	99
52) Tetrachloroethene	11.27	164	715630	9.914	ppbv	90
53) Toluene	9.85	91	2155057	10.605	ppbv	100
54) 1,2-Dibromoethane	10.66	107	1288210	10.558	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.18	131	1075471	9.927	ppbv	94
57) Chlorobenzene	12.20	112	1732302	9.356	ppbv	97
58) Ethyl Benzene	12.76	91	3025978	9.998	ppbv	98
59) m/p-Xylene	13.05	91	5097880m	19.262	ppbv	
60) o-Xylene	13.74	91	2632900	9.914	ppbv	100
61) Styrene	13.58	104	1828037	10.068	ppbv	99
62) Isopropylbenzene	14.73	105	3406336	9.805	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1885163	8.849	ppbv	99
64) n-propylbenzene	15.62	120	896877	10.111	ppbv	100
65) tert-Butylbenzene	16.81	119	3139291	10.003	ppbv	99
66) Benzyl Chloride	17.06	91	1574700	11.448	ppbv	99
67) sec-Butylbenzene	17.36	105	4327382	9.818	ppbv	100
69) p-Isopropyltoluene	17.72	119	3625944	10.144	ppbv	100
70) n-Butylbenzene	18.61	91	3855932	9.997	ppbv	99
71) 2-Chlorotoluene	15.52	91	2698549	10.003	ppbv	99
72) 4-Ethyltoluene	15.90	105	2977311	10.019	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	2908664m	9.977	ppbv	
74) 1,2,4-Trimethylbenzene	16.82	105	3012656	9.659	ppbv	97
75) 1,3-Dichlorobenzene	17.06	146	1699490	9.098	ppbv	99
76) 1,4-Dichlorobenzene	17.21	146	1672770	9.301	ppbv	98
77) 1,2-Dichlorobenzene	17.89	146	1653422	9.418	ppbv	98
78) Hexachloro-1,3-Butadiene	23.45	225	1363491	8.182	ppbv	100
79) Naphthalene	22.28	128	2357566	10.036	ppbv	98
80) Naphthalene, 2-methyl-	25.03	142	494375	7.597	ppbv #	92
81) 1,2,4-Trichlorobenzene	22.01	180	1382113	9.036	ppbv	99

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

