

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\
 Data File : VL033178.D
 Acq On : 6 Feb 2019 9:17
 Operator : SY/AP
 Sample : VL0205ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0205ABS01

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 12:21:23 PM

Quant Time: Feb 20 06:25:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 20 06:25:56 2019
 QLast Update : Wed Feb 20 06:00:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1031261	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2471673	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2430370m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1936902	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1597224	8.101	ppbv	97
3) Chlorodifluoromethane	3.01	51	976847	7.867	ppbv	98
4) Chloromethane	3.17	50	530223	8.087	ppbv	100
5) Vinyl Chloride	3.29	62	512568	7.487	ppbv	100
6) Bromomethane	3.51	94	305276	8.113	ppbv	99
7) Chloroethane	3.60	64	179215	8.007	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1203768	7.807	ppbv	100
9) Propene	3.04	41	460604	7.679	ppbv	99
10) Heptane	8.25	43	1433689	7.900	ppbv	99
11) Trichlorofluoromethane	4.00	101	1275807	7.993	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	865389	7.823	ppbv	99
13) Ethanol	3.64	45	115114	5.647	ppbv	97
14) Bromoethene	3.79	108	390098	8.178	ppbv	100
15) Acetone	3.90	43	840589	7.235	ppbv	100
16) 1,3-Butadiene	3.36	39	441058	7.997	ppbv	99
17) tert-Butyl alcohol	4.35	59	185081	8.293	ppbv	99
18) 1,1-Dichloroethene	4.35	96	400034	8.078	ppbv	97
19) Isopropyl Alcohol	4.02	45	625420	7.937	ppbv	99
20) Methylene Chloride	4.41	84	339637	7.349	ppbv	97
21) Allyl Chloride	4.47	41	632163	8.240	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	402888	8.378	ppbv	96
23) Vinyl Acetate	5.15	43	1659519	8.241	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1143524	8.029	ppbv	100
25) Ethyl Acetate	5.77	43	2342188	8.966	ppbv	100
26) Hexane	5.78	57	1049040	8.554	ppbv	98
27) Carbon Disulfide	4.62	76	984543	8.763	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1329418	7.933	ppbv	99
29) Chloroform	5.85	83	1709019	9.094	ppbv	98
30) Cyclohexane	7.25	84	925688	8.136	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1129896	9.205	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1650864	7.978	ppbv	99
34) 2-Butanone	5.33	43	1597311	10.188	ppbv	99
35) Carbon Tetrachloride	7.14	117	1701145	9.012	ppbv	96
36) Benzene	7.00	78	2266856	9.049	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1311451	9.447	ppbv	100
38) Trichloroethene	7.96	130	823979	7.698	ppbv	94
39) 1,2-Dichloropropane	7.74	63	876267	8.858	ppbv	100
40) 1,4-Dioxane	7.95	88	306095	8.714	ppbv	94
41) Tetrahydrofuran	6.15	42	953484	9.838	ppbv	99
42) Bromodichloromethane	7.92	83	1881115	9.350	ppbv	99
43) Methyl Methacrylate	8.14	69	929509	9.243	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3685549	8.682	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1162962	10.443	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	1403730	9.864	ppbv	97
47) 1,1,2-Trichloroethane	9.62	97	881585	8.593	ppbv	97
48) Dibromochloromethane	10.45	129	1557483	9.636	ppbv	99
49) Bromoform	13.21	173	1370814	9.856	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2319908	9.228	ppbv	98
51) 2-Hexanone	10.27	43	1847112	9.318	ppbv #	99
52) Tetrachloroethene	11.38	164	794906	8.260	ppbv	98
53) Toluene	9.95	91	2528719	8.525	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1465548	9.103	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1086835	9.602	ppbv	97
57) Chlorobenzene	12.31	112	1909052	8.877	ppbv	95
58) Ethyl Benzene	12.87	91	3637211	9.117	ppbv	99
59) m/p-Xylene	13.13	91	5922433m	17.847	ppbv	
60) o-Xylene	13.86	91	2869434	8.868	ppbv	99
61) Styrene	13.69	104	2267120	9.281	ppbv	100
62) Isopropylbenzene	14.83	105	4055449	8.883	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1983693	7.853	ppbv	99
64) n-propylbenzene	15.73	120	1023519	8.818	ppbv	98
65) tert-Butylbenzene	16.91	119	3451696	8.683	ppbv	99
66) Benzyl Chloride	17.16	91	1777059	12.508	ppbv	100
67) sec-Butylbenzene	17.46	105	5093169	8.825	ppbv	99
69) p-Isopropyltoluene	17.82	119	4189931	8.718	ppbv	99
70) n-Butylbenzene	18.72	91	4530668	8.737	ppbv	100
71) 2-Chlorotoluene	15.62	91	3142124	8.760	ppbv	100
72) 4-Ethyltoluene	16.01	105	3375063	9.043	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	3194428	8.950	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	3208851	8.668	ppbv	98
75) 1,3-Dichlorobenzene	17.17	146	1867101	8.745	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1918122	9.067	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1852740	8.781	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1045209	9.963	ppbv	99
79) Naphthalene	22.41	128	3420341	8.597	ppbv	98
80) Naphthalene,2-methyl-	25.11	142	1608897	7.996	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1672072	8.274	ppbv	99

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

