

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030819\
 Data File : VL033265.D
 Acq On : 8 Mar 2019 19:35
 Operator : SY/AP
 Sample : VL0308ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0308ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 10:10:23 AM

Quant Time: Mar 09 04:58:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Mar 09 04:58:03 2019
 QLast Update : Sat Mar 09 03:32:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1039546	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2379348	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2508711m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1987117	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	2061689	10.491	ppbv	100
3) Chlorodifluoromethane	3.02	51	1232012	10.450	ppbv	100
4) Chloromethane	3.17	50	648685	10.560	ppbv	91
5) Vinyl Chloride	3.29	62	637500	10.350	ppbv	97
6) Bromomethane	3.52	94	400407	10.570	ppbv	95
7) Chloroethane	3.60	64	227293	10.206	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1551513	10.101	ppbv	99
9) Propene	3.04	41	549640	10.566	ppbv	98
10) Heptane	8.25	43	1314144	9.251	ppbv	100
11) Trichlorofluoromethane	4.00	101	1717154	10.003	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1092222	9.683	ppbv	100
13) Ethanol	3.65	45	109714	7.288	ppbv	99
14) Bromoethene	3.79	108	474776	10.253	ppbv	99
15) Acetone	3.90	43	1187004	9.622	ppbv	98
16) 1,3-Butadiene	3.36	39	574807	11.233	ppbv	98
17) tert-Butyl alcohol	4.36	59	179929	8.944	ppbv	99
18) 1,1-Dichloroethene	4.35	96	492896	9.980	ppbv	97
19) Isopropyl Alcohol	4.02	45	646797	8.732	ppbv #	99
20) Methylene Chloride	4.41	84	421535	8.325	ppbv	95
21) Allyl Chloride	4.48	41	777160	10.490	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	503099	9.933	ppbv	96
23) Vinyl Acetate	5.16	43	1832959	10.372	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1253521	9.662	ppbv	99
25) Ethyl Acetate	5.77	43	2159189	9.164	ppbv	100
26) Hexane	5.78	57	960688	8.654	ppbv	99
27) Carbon Disulfide	4.62	76	1246827	11.091	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1440260	10.099	ppbv	100
29) Chloroform	5.85	83	1598885	9.438	ppbv	100
30) Cyclohexane	7.25	84	422267	4.913	ppbv #	3
31) cis-1,2-Dichloroethene	5.64	61	1019387	9.695	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1595522	9.973	ppbv	99
34) 2-Butanone	5.33	43	1473249	10.242	ppbv	99
35) Carbon Tetrachloride	7.14	117	1640864	10.160	ppbv	93
36) Benzene	7.01	78	2018418	9.854	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1251259	9.487	ppbv	100
38) Trichloroethene	7.96	130	749719	9.432	ppbv	98
39) 1,2-Dichloropropane	7.74	63	775805	9.646	ppbv	98
40) 1,4-Dioxane	7.96	88	257364	8.682	ppbv	88
41) Tetrahydrofuran	6.15	42	836535	10.293	ppbv	99
42) Bromodichloromethane	7.92	83	1790651	9.967	ppbv	99
43) Methyl Methacrylate	8.14	69	845052	10.254	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3426551	9.413	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1135742	11.379	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1280276	10.899	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	846844	9.811	ppbv	97
48) Dibromochloromethane	10.45	129	1518597	10.731	ppbv	99
49) Bromoform	13.20	173	1314070	10.434	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2130742	9.790	ppbv	100
51) 2-Hexanone	10.27	43	1732396	10.678	ppbv #	99
52) Tetrachloroethene	11.37	164	740318	9.700	ppbv	98
53) Toluene	9.95	91	2446084	10.426	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1351910	9.999	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.28	131	1037080	9.875	ppbv	99
57) Chlorobenzene	12.31	112	1759670	9.565	ppbv	99
58) Ethyl Benzene	12.87	91	3343305	9.849	ppbv	97
59) m/p-Xylene	13.15	91	5551741m	18.067	ppbv	
60) o-Xylene	13.85	91	2697790	9.067	ppbv	99
61) Styrene	13.69	104	2010309	9.931	ppbv	100
62) Isopropylbenzene	14.83	105	3800885	9.566	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1832303	9.574	ppbv	100
64) n-propylbenzene	15.72	120	958835	9.869	ppbv	99
65) tert-Butylbenzene	16.91	119	3247849	9.719	ppbv	100
66) Benzyl Chloride	17.16	91	1669759	13.336	ppbv	100
67) sec-Butylbenzene	17.46	105	4635369	9.757	ppbv	99
69) p-Isopropyltoluene	17.82	119	3812812	9.888	ppbv	99
70) n-Butylbenzene	18.71	91	4094345	9.797	ppbv	100
71) 2-Chlorotoluene	15.62	91	2946660	9.912	ppbv	99
72) 4-Ethyltoluene	16.00	105	3116527	10.060	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2971409	10.067	ppbv	96
74) 1,2,4-Trimethylbenzene	16.93	105	2991486	9.739	ppbv	94
75) 1,3-Dichlorobenzene	17.17	146	1691327	9.318	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1701930	9.575	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1664383	9.525	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	946743	7.152	ppbv	99
79) Naphthalene	22.41	128	3252430	9.711	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	1700619	20.749	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1531207	8.865	ppbv	100

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

