

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070219\
 Data File : VL033998.D
 Acq On : 2 Jul 2019 23:57
 Operator : SY/AP
 Sample : VL0702ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0702ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 11:03:37 PM

Quant Time: Jul 03 04:47:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 03
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	1051642	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	2632921	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.21	117	2856401m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.55	95	2270345	9.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	1765438	8.135 ppbv	99
3) Chlorodifluoromethane	3.00	51	1120284	8.627 ppbv	100
4) Chloromethane	3.16	50	637833	8.542 ppbv	97
5) Vinyl Chloride	3.28	62	710583	8.463 ppbv	96
6) Bromomethane	3.50	94	463138	9.353 ppbv	96
7) Chloroethane	3.58	64	273466	9.113 ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	1855190	8.768 ppbv	99
9) Propene	3.02	41	439136	9.192 ppbv	96
10) Heptane	8.22	43	1268462	10.604 ppbv	99
11) Trichlorofluoromethane	3.99	101	1999059	8.192 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1527503	8.843 ppbv	100
13) Ethanol	3.64	45	123725	8.337 ppbv	95
14) Bromoethene	3.77	108	613901	9.517 ppbv	99
15) Acetone	3.89	43	1337798	7.566 ppbv	100
16) 1,3-Butadiene	3.35	39	604574	9.683 ppbv	99
17) tert-Butyl alcohol	4.34	59	1326483	9.410 ppbv	99
18) 1,1-Dichloroethene	4.33	96	663904	8.630 ppbv	95
19) Isopropyl Alcohol	4.01	45	1004756	8.466 ppbv	99
20) Methylene Chloride	4.39	84	609481	7.904 ppbv	94
21) Allyl Chloride	4.46	41	1014646	9.203 ppbv	99
22) trans-1,2-Dichloroethene	4.94	96	688542	9.393 ppbv	96
23) Vinyl Acetate	5.13	43	1778860	10.080 ppbv	99
24) 1,1-Dichloroethane	5.07	63	1415738	9.052 ppbv	100
25) Ethyl Acetate	5.75	43	2478146	10.247 ppbv	100
26) Hexane	5.75	57	1142726	10.326 ppbv	99
27) Carbon Disulfide	4.60	76	1750110	9.302 ppbv	100
28) Methyl tert-Butyl Ether	5.09	73	1868564	9.970 ppbv	99
29) Chloroform	5.83	83	1962841	9.438 ppbv	97
30) Cyclohexane	7.22	84	920125	10.766 ppbv	96
31) cis-1,2-Dichloroethene	5.62	61	1174673	10.986 ppbv	98
32) 1,1,1-Trichloroethane	6.59	97	1893318	8.982 ppbv	99
34) 2-Butanone	5.31	43	1468555	10.539 ppbv	100
35) Carbon Tetrachloride	7.11	117	2046201	9.817 ppbv	99
36) Benzene	6.98	78	2215202	10.752 ppbv	98
37) 1,2-Dichloroethane	6.39	62	1488512	9.807 ppbv	100
38) Trichloroethene	7.93	130	984816	10.743 ppbv	96
39) 1,2-Dichloropropane	7.71	63	793372	10.356 ppbv	97
40) 1,4-Dioxane	7.93	88	366185	10.353 ppbv	# 97
41) Tetrahydrofuran	6.12	42	783983	11.472 ppbv	99
42) Bromodichloromethane	7.89	83	2071945	10.174 ppbv	99
43) Methyl Methacrylate	8.11	69	908145	11.618 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.97	57	3774042	10.613	ppbv	99
45) t-1,3-Dichloropropene	9.39	75	1317728	12.892	ppbv	99
46) cis-1,3-Dichloropropene	8.81	75	1403058	11.852	ppbv	95
47) 1,1,2-Trichloroethane	9.59	97	1001503	10.398	ppbv	97
48) Dibromochloromethane	10.43	129	1866950	10.158	ppbv	99
49) Bromoform	13.17	173	1795879	11.438	ppbv	100
50) 4-Methyl-2-Pentanone	8.84	43	2208749	10.682	ppbv	100
51) 2-Hexanone	10.24	43	1855255	11.125	ppbv #	100
52) Tetrachloroethene	11.34	164	959423	10.820	ppbv	97
53) Toluene	9.92	91	2790563	11.833	ppbv	100
54) 1,2-Dibromoethane	10.73	107	1624469	11.428	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.25	131	1248383	9.779	ppbv	96
57) Chlorobenzene	12.27	112	2189094	9.626	ppbv	95
58) Ethyl Benzene	12.83	91	3949534	11.498	ppbv	99
59) m/p-Xylene	13.12	91	6675268m	21.462	ppbv	
60) o-Xylene	13.82	91	3333059m	10.712	ppbv	
61) Styrene	13.65	104	2479958	12.044	ppbv	99
62) Isopropylbenzene	14.79	105	4451876	9.308	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.80	83	2299211	9.547	ppbv	99
64) n-propylbenzene	15.69	120	1161903	9.368	ppbv	94
65) tert-Butylbenzene	16.88	119	3986985	9.802	ppbv	99
66) Benzyl Chloride	17.12	91	2235088	10.740	ppbv	100
67) sec-Butylbenzene	17.43	105	5548938	9.719	ppbv	100
69) p-Isopropyltoluene	17.78	119	4608372	9.790	ppbv	100
70) n-Butylbenzene	18.68	91	4760981	9.628	ppbv	99
71) 2-Chlorotoluene	15.59	91	3330658	9.515	ppbv	99
72) 4-Ethyltoluene	15.97	105	3901297	9.764	ppbv	99
73) 1,3,5-Trimethylbenzene	16.13	105	3734875	10.046	ppbv	98
74) 1,2,4-Trimethylbenzene	16.89	105	3874943	9.410	ppbv	96
75) 1,3-Dichlorobenzene	17.13	146	2313932	8.846	ppbv	100
76) 1,4-Dichlorobenzene	17.28	146	2297301	9.325	ppbv	99
77) 1,2-Dichlorobenzene	17.95	146	2190656	9.044	ppbv	99
78) Hexachloro-1,3-Butadiene	23.51	225	1687394	8.187	ppbv	98
79) Naphthalene	22.37	128	3655156	10.558	ppbv	97
80) Naphthalene, 2-methyl-	25.09	142	1188057	9.431	ppbv	99
81) 1,2,4-Trichlorobenzene	22.10	180	2186086	9.832	ppbv	99

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

