

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012819\
 Data File : VL033125.D
 Acq On : 29 Jan 2019 2:29
 Operator : SY/AP
 Sample : VL0128ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABS01

Manual Integrations
 APPROVED

apatel
 1/29/2019 2:38:30 PM

Quant Time: Jan 29 06:52:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jan 29 2019
 QLast Update : Tue Jan 29 06:21:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1186912	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3045553	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2731897m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1987600	9.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	2388127	8.499	ppbv	100
3) Chlorodifluoromethane	3.01	51	1300797	8.261	ppbv	99
4) Chloromethane	3.17	50	707920	8.275	ppbv	98
5) Vinyl Chloride	3.29	62	739226	7.572	ppbv	98
6) Bromomethane	3.52	94	490788	8.527	ppbv	98
7) Chloroethane	3.60	64	283475	8.508	ppbv	95
8) Dichlorotetrafluoroethane	3.22	85	1899997	8.449	ppbv	99
9) Propene	3.04	41	534852	8.721	ppbv	98
10) Heptane	8.25	43	1407995	9.462	ppbv	99
11) Trichlorofluoromethane	4.00	101	2028754	8.470	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1406636	8.464	ppbv	99
13) Ethanol	3.65	45	142445	6.473	ppbv	99
14) Bromoethene	3.79	108	618245	8.589	ppbv	100
15) Acetone	3.90	43	1279011	7.980	ppbv	100
16) 1,3-Butadiene	3.36	39	618144	9.227	ppbv	93
17) tert-Butyl alcohol	4.36	59	304575	8.559	ppbv	99
18) 1,1-Dichloroethene	4.35	96	645186	8.746	ppbv	98
19) Isopropyl Alcohol	4.03	45	885659	8.114	ppbv #	99
20) Methylene Chloride	4.41	84	553157	7.601	ppbv	99
21) Allyl Chloride	4.48	41	1004010	8.991	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	666171	8.990	ppbv	97
23) Vinyl Acetate	5.16	43	2052779	9.058	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1570094	8.555	ppbv	99
25) Ethyl Acetate	5.77	43	2455822	8.614	ppbv	100
26) Hexane	5.78	57	1151228	8.418	ppbv	99
27) Carbon Disulfide	4.62	76	1649708	9.240	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1957775	9.124	ppbv	99
29) Chloroform	5.85	83	1929307	8.562	ppbv	96
30) Cyclohexane	7.25	84	1016424	9.895	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	1173590	9.400	ppbv	94
32) 1,1,1-Trichloroethane	6.62	97	2042526	7.006	ppbv	99
34) 2-Butanone	5.33	43	1565203	9.056	ppbv	99
35) Carbon Tetrachloride	7.14	117	2383281	8.547	ppbv	99
36) Benzene	7.01	78	2617279	9.738	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1472299	8.314	ppbv	99
38) Trichloroethene	7.96	130	995932	9.117	ppbv	92
39) 1,2-Dichloropropane	7.74	63	873972	9.234	ppbv	95
40) 1,4-Dioxane	7.96	88	326913	9.046	ppbv	94
41) Tetrahydrofuran	6.15	42	898783	9.240	ppbv	99
42) Bromodichloromethane	7.92	83	2098964	8.937	ppbv	96
43) Methyl Methacrylate	8.14	69	934773	9.936	ppbv	99

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44) 2,2,4-Trimethylpentane	7.99	57	3946129	9.298	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1271233	11.020	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	1468187	10.647	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	899774	8.200	ppbv	96
48) Dibromochloromethane	10.45	129	1660810	8.577	ppbv	100
49) Bromoform	13.21	173	1399200	8.648	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2239778	9.709	ppbv	100
51) 2-Hexanone	10.27	43	1512549	9.407	ppbv #	100
52) Tetrachloroethene	11.37	164	779297	8.719	ppbv	98
53) Toluene	9.95	91	2506760	9.329	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1383307	8.778	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	1187683	8.808	ppbv	97
57) Chlorobenzene	12.30	112	1938622	8.873	ppbv	98
58) Ethyl Benzene	12.87	91	3345029	10.381	ppbv	99
59) m/p-Xylene	13.15	91	5711244m	19.137	ppbv	
60) o-Xylene	13.85	91	2786548	9.011	ppbv	99
61) Styrene	13.69	104	2111183m	10.692	ppbv	
62) Isopropylbenzene	14.82	105	3983018	9.090	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1921915	7.803	ppbv	100
64) n-propylbenzene	15.73	120	1019341	9.586	ppbv	99
65) tert-Butylbenzene	16.91	119	3536487	9.607	ppbv	99
66) Benzyl Chloride	17.16	91	2094723	10.570	ppbv	100
67) sec-Butylbenzene	17.46	105	4946861	9.362	ppbv	100
69) p-Isopropyltoluene	17.82	119	4075198	9.032	ppbv	100
70) n-Butylbenzene	18.71	91	4044363	9.870	ppbv	100
71) 2-Chlorotoluene	15.62	91	2914381	9.754	ppbv	100
72) 4-Ethyltoluene	16.00	105	3246858	9.978	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	3074076	9.659	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	3192874	9.473	ppbv	96
75) 1,3-Dichlorobenzene	17.17	146	1784790	8.767	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1749060	9.322	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1718266	8.397	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	846684	7.063	ppbv	100
79) Naphthalene	22.42	128	2537181	12.235	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	744851	14.388	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1219373	11.540	ppbv	100

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

