

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
 Data File : VL033498.D
 Acq On : 29 Mar 2019 12:08
 Operator : SY/AP
 Sample : VL0329ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0329ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:03:07 AM

Quant Time: Mar 30 01:49:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 2
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	857585	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2135451	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2296992	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1686731	9.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	1566101	12.521	ppbv 99
3) Chlorodifluoromethane	3.01	51	1037805	10.511	ppbv 99
4) Chloromethane	3.17	50	545372	10.439	ppbv 100
5) Vinyl Chloride	3.29	62	545819	10.633	ppbv 94
6) Bromomethane	3.51	94	357591	10.840	ppbv 93
7) Chloroethane	3.60	64	200387	10.489	ppbv 97
8) Dichlorotetrafluoroethane	3.22	85	1392516	10.449	ppbv 99
9) Propene	3.03	41	459796	11.089	ppbv 99
10) Heptane	8.25	43	1214262	10.956	ppbv 99
11) Trichlorofluoromethane	4.00	101	1529638	9.923	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1071517	10.349	ppbv 98
13) Ethanol	3.64	45	104910m	9.778	ppbv
14) Bromoethene	3.79	108	448823	10.869	ppbv 99
15) Acetone	3.90	43	976145	9.466	ppbv 99
16) 1,3-Butadiene	3.36	39	457765	11.192	ppbv 93
17) tert-Butyl alcohol	4.35	59	177744	9.375	ppbv 99
18) 1,1-Dichloroethene	4.35	96	473224	10.641	ppbv 98
19) Isopropyl Alcohol	4.02	45	609834	9.350	ppbv 99
20) Methylene Chloride	4.41	84	409265	9.350	ppbv 94
21) Allyl Chloride	4.48	41	703803	10.797	ppbv 99
22) trans-1,2-Dichloroethene	4.96	96	484940	10.451	ppbv 94
23) Vinyl Acetate	5.15	43	1627164	11.087	ppbv 100
24) 1,1-Dichloroethane	5.09	63	1167827	10.475	ppbv 99
25) Ethyl Acetate	5.77	43	1994487	10.425	ppbv 99
26) Hexane	5.78	57	904433	10.632	ppbv 97
27) Carbon Disulfide	4.62	76	1158760	11.455	ppbv 99
28) Methyl tert-Butyl Ether	5.11	73	1358079	11.084	ppbv 100
29) Chloroform	5.85	83	1534464	10.523	ppbv 100
30) Cyclohexane	7.25	84	776655	11.541	ppbv 97
31) cis-1,2-Dichloroethene	5.64	61	936135	11.069	ppbv 96
32) 1,1,1-Trichloroethane	6.62	97	1496480	10.777	ppbv 99
34) 2-Butanone	5.33	43	1322959	10.311	ppbv 99
35) Carbon Tetrachloride	7.14	117	1603794	10.603	ppbv 99
36) Benzene	7.01	78	1936277	10.806	ppbv 99
37) 1,2-Dichloroethane	6.41	62	1148226	9.561	ppbv 99
38) Trichloroethene	7.96	130	769243	11.408	ppbv 96
39) 1,2-Dichloropropane	7.74	63	723332	10.305	ppbv 97
40) 1,4-Dioxane	7.95	88	243858	9.741	ppbv # 1
41) Tetrahydrofuran	6.15	42	741984	10.514	ppbv 96
42) Bromodichloromethane	7.92	83	1697737	10.379	ppbv 100
43) Methyl Methacrylate	8.14	69	797481	10.961	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3192063	10.195	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1065376	11.927	ppbv	95
46) cis-1,3-Dichloropropene	8.84	75	1225423	11.747	ppbv	97
47) 1,1,2-Trichloroethane	9.61	97	833709	10.460	ppbv	99
48) Dibromochloromethane	10.45	129	1497975	11.143	ppbv	99
49) Bromoform	13.20	173	1364886	10.627	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	1968108	10.476	ppbv	99
51) 2-Hexanone	10.27	43	1559231	11.126	ppbv	99
52) Tetrachloroethene	11.38	164	772268	11.423	ppbv	96
53) Toluene	9.95	91	2344759	11.261	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1348008	10.813	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1043015	9.908	ppbv	99
57) Chlorobenzene	12.30	112	1784506	10.005	ppbv	99
58) Ethyl Benzene	12.87	91	3307656	10.783	ppbv	99
59) m/p-Xylene	13.13	91	5536844m	20.209	ppbv	
60) o-Xylene	13.85	91	2713272	10.241	ppbv	99
61) Styrene	13.69	104	2054346	11.298	ppbv	98
62) Isopropylbenzene	14.83	105	3840318	10.236	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1884142	9.658	ppbv	99
64) n-propylbenzene	15.73	120	995628	10.458	ppbv	96
65) tert-Butylbenzene	16.91	119	3461729	10.471	ppbv	99
66) Benzyl Chloride	17.16	91	1843307	11.990	ppbv	99
67) sec-Butylbenzene	17.46	105	4895312	10.412	ppbv	100
69) p-Isopropyltoluene	17.82	119	4071855	10.637	ppbv	100
70) n-Butylbenzene	18.72	91	4278998	10.550	ppbv	100
71) 2-Chlorotoluene	15.62	91	2969058	10.407	ppbv	99
72) 4-Ethyltoluene	16.00	105	3205007	10.762	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3075652	10.792	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	3182825	10.419	ppbv	96
75) 1,3-Dichlorobenzene	17.17	146	1887699	9.998	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1896501	10.310	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1843346	10.290	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1386311	11.691	ppbv	99
79) Naphthalene	22.41	128	3163947	12.100	ppbv	100
80) Naphthalene, 2-methyl-	25.12	142	1409593	16.062	ppbv	98
81) 1,2,4-Trichlorobenzene	22.14	180	1624494	11.200	ppbv	100

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

