

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032519\
 Data File : VL033443.D
 Acq On : 25 Mar 2019 19:34
 Operator : SY/AP
 Sample : VL0325ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0325ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:22:51 AM

Quant Time: Mar 27 01:48:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 27 01:48:03 2019
 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	768513	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1804219	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1919606m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1462364	9.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1008756	9.000	ppbv	97
3) Chlorodifluoromethane	3.01	51	834347	9.430	ppbv	99
4) Chloromethane	3.17	50	438885	9.374	ppbv	99
5) Vinyl Chloride	3.29	62	444633	9.666	ppbv	99
6) Bromomethane	3.51	94	278709	9.428	ppbv	93
7) Chloroethane	3.60	64	164553	9.612	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1103136	9.237	ppbv	100
9) Propene	3.03	41	352286	9.481	ppbv	98
10) Heptane	8.25	43	953681	9.602	ppbv	100
11) Trichlorofluoromethane	4.00	101	1267694	9.177	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	868924	9.365	ppbv	99
13) Ethanol	3.64	45	90518	9.414	ppbv	65
14) Bromoethene	3.79	108	360655	9.746	ppbv	99
15) Acetone	3.90	43	800352	8.661	ppbv	99
16) 1,3-Butadiene	3.36	39	387955	10.585	ppbv	96
17) tert-Butyl alcohol	4.35	59	164800	9.700	ppbv	100
18) 1,1-Dichloroethene	4.35	96	378667	9.501	ppbv	97
19) Isopropyl Alcohol	4.02	45	567059	9.702	ppbv	# 99
20) Methylene Chloride	4.41	84	339501	8.655	ppbv	96
21) Allyl Chloride	4.48	41	569903	9.756	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	395283	9.507	ppbv	96
23) Vinyl Acetate	5.16	43	1308644	9.950	ppbv	99
24) 1,1-Dichloroethane	5.09	63	931558	9.324	ppbv	99
25) Ethyl Acetate	5.77	43	1597106	9.315	ppbv	100
26) Hexane	5.78	57	714259	9.370	ppbv	98
27) Carbon Disulfide	4.62	76	949398	10.473	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1071219	9.757	ppbv	99
29) Chloroform	5.85	83	1211838	9.274	ppbv	98
30) Cyclohexane	7.25	84	606945	10.064	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	732713	9.668	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1200278	9.646	ppbv	99
34) 2-Butanone	5.33	43	1039476	9.589	ppbv	99
35) Carbon Tetrachloride	7.14	117	1284140	10.049	ppbv	97
36) Benzene	7.01	78	1495600	9.879	ppbv	99
37) 1,2-Dichloroethane	6.41	62	945656	9.320	ppbv	100
38) Trichloroethene	7.96	130	598375	10.503	ppbv	97
39) 1,2-Dichloropropane	7.74	63	572451	9.653	ppbv	98
40) 1,4-Dioxane	7.96	88	190132	8.989	ppbv	79
41) Tetrahydrofuran	6.15	42	590180	9.899	ppbv	99
42) Bromodichloromethane	7.92	83	1359638	9.838	ppbv	99
43) Methyl Methacrylate	8.14	69	622013	10.119	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2544075	9.617	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	845252	11.200	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	951854	10.800	ppbv	99
47) 1,1,2-Trichloroethane	9.61	97	645999	9.593	ppbv	98
48) Dibromochloromethane	10.45	129	1180461	10.393	ppbv	99
49) Bromoform	13.21	173	1075411	9.911	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1566850	9.871	ppbv	100
51) 2-Hexanone	10.27	43	1235998	10.439	ppbv #	99
52) Tetrachloroethene	11.38	164	584539	10.234	ppbv	97
53) Toluene	9.95	91	1803474	10.252	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1035107	9.827	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	828361	9.416	ppbv	99
57) Chlorobenzene	12.30	112	1388368	9.314	ppbv	99
58) Ethyl Benzene	12.87	91	2591566	10.110	ppbv	100
59) m/p-Xylene	13.13	91	4366077m	19.068	ppbv	
60) o-Xylene	13.85	91	2143729	9.682	ppbv	99
61) Styrene	13.69	104	1601175	10.537	ppbv	100
62) Isopropylbenzene	14.83	105	2978789	9.500	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1496712	9.180	ppbv	100
64) n-propylbenzene	15.73	120	764181	9.605	ppbv	98
65) tert-Butylbenzene	16.91	119	2680137	9.700	ppbv	99
66) Benzyl Chloride	17.16	91	1496423	11.647	ppbv	99
67) sec-Butylbenzene	17.46	105	3821942	9.727	ppbv	99
69) p-Isopropyltoluene	17.82	119	3158926	9.874	ppbv	100
70) n-Butylbenzene	18.72	91	3346025	9.871	ppbv	100
71) 2-Chlorotoluene	15.62	91	2286478	9.590	ppbv	99
72) 4-Ethyltoluene	16.01	105	2457636	9.875	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2376666	9.979	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	2468948	9.671	ppbv	99
75) 1,3-Dichlorobenzene	17.17	146	1468166	9.305	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1461179	9.505	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1431598	9.563	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	776932	7.840	ppbv	100
79) Naphthalene	22.41	128	2436877	11.151	ppbv	98
80) Naphthalene, 2-methyl-	25.12	142	1069003	14.576	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1242591	10.251	ppbv	100

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

