

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041719\
 Data File : VL033601.D
 Acq On : 17 Apr 2019 14:20
 Operator : SY/AP
 Sample : VL0417ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01

Quant Time: Apr 18 05:56:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 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	851735	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2137910	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2300845m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1750587	9.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1016766	8.185	ppbv	99
3) Chlorodifluoromethane	3.01	51	895518	9.133	ppbv	99
4) Chloromethane	3.17	50	483992	9.327	ppbv	99
5) Vinyl Chloride	3.29	62	479651	9.408	ppbv	96
6) Bromomethane	3.52	94	307732	9.392	ppbv	95
7) Chloroethane	3.60	64	181185	9.549	ppbv	96
8) Dichlorotetrafluoroethane	3.22	85	1208851	9.133	ppbv	98
9) Propene	3.04	41	383586	9.315	ppbv	99
10) Heptane	8.25	43	988497	8.980	ppbv	99
11) Trichlorofluoromethane	4.00	101	1384994	9.047	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	943285	9.173	ppbv	99
13) Ethanol	3.65	45	99688	9.355	ppbv	66
14) Bromoethene	3.79	108	389370	9.494	ppbv	99
15) Acetone	3.90	43	892886	8.719	ppbv	98
16) 1,3-Butadiene	3.36	39	394664	9.716	ppbv	90
17) tert-Butyl alcohol	4.35	59	165418	8.785	ppbv	99
18) 1,1-Dichloroethene	4.35	96	416081	9.420	ppbv	95
19) Isopropyl Alcohol	4.02	45	564980	8.722	ppbv	# 98
20) Methylene Chloride	4.41	84	373217	8.585	ppbv	94
21) Allyl Chloride	4.48	41	615726	9.511	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	436124	9.464	ppbv	97
23) Vinyl Acetate	5.16	43	1373908	9.425	ppbv	99
24) 1,1-Dichloroethane	5.09	63	982870	8.877	ppbv	98
25) Ethyl Acetate	5.77	43	1623212	8.543	ppbv	99
26) Hexane	5.78	57	733610	8.683	ppbv	98
27) Carbon Disulfide	4.62	76	1047264	10.424	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1168908	9.606	ppbv	99
29) Chloroform	5.85	83	1258833	8.692	ppbv	98
30) Cyclohexane	7.25	84	645287	9.655	ppbv	100
31) cis-1,2-Dichloroethene	5.64	61	749452	8.922	ppbv	96
32) 1,1,1-Trichloroethane	6.62	97	1295679	9.395	ppbv	99
34) 2-Butanone	5.33	43	1072087	8.347	ppbv	99
35) Carbon Tetrachloride	7.13	117	1397897	9.232	ppbv	99
36) Benzene	7.00	78	1611404	8.983	ppbv	95
37) 1,2-Dichloroethane	6.41	62	973137	8.093	ppbv	99
38) Trichloroethene	7.96	130	637883	9.449	ppbv	97
39) 1,2-Dichloropropane	7.74	63	588108	8.369	ppbv	99
40) 1,4-Dioxane	7.95	88	217828	8.691	ppbv	98
41) Tetrahydrofuran	6.15	42	620084	8.777	ppbv	98
42) Bromodichloromethane	7.92	83	1424014	8.695	ppbv	99
43) Methyl Methacrylate	8.14	69	641779	8.811	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2677163	8.540	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	891365	9.967	ppbv	100
46) cis-1,3-Dichloropropene	8.83	75	1001798	9.593	ppbv	97
47) 1,1,2-Trichloroethane	9.62	97	684383	8.577	ppbv	99
48) Dibromochloromethane	10.45	129	1237978	9.198	ppbv	99
49) Bromoform	13.20	173	1142050	8.882	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1639233	8.715	ppbv	99
51) 2-Hexanone	10.27	43	1282115	9.138	ppbv #	100
52) Tetrachloroethene	11.37	164	620796	9.172	ppbv	97
53) Toluene	9.95	91	1915506	9.189	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1085345	8.696	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.28	131	878284	8.329	ppbv	98
57) Chlorobenzene	12.30	112	1455694	8.148	ppbv	98
58) Ethyl Benzene	12.86	91	2650971	8.628	ppbv	98
59) m/p-Xylene	13.15	91	4557692m	16.607	ppbv	
60) o-Xylene	13.85	91	2249191	8.475	ppbv	99
61) Styrene	13.68	104	1675387	9.198	ppbv	99
62) Isopropylbenzene	14.82	105	3165172	8.422	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1582139	8.096	ppbv	99
64) n-propylbenzene	15.72	120	825160	8.653	ppbv	95
65) tert-Butylbenzene	16.91	119	2889686	8.726	ppbv	99
66) Benzyl Chloride	17.15	91	1638456	10.640	ppbv	99
67) sec-Butylbenzene	17.46	105	4069304	8.640	ppbv	100
69) p-Isopropyltoluene	17.81	119	3391280	8.844	ppbv	100
70) n-Butylbenzene	18.71	91	3545486	8.727	ppbv	100
71) 2-Chlorotoluene	15.61	91	2444693	8.555	ppbv	99
72) 4-Ethyltoluene	16.00	105	2630230	8.817	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2535711	8.882	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	2638875	8.624	ppbv	96
75) 1,3-Dichlorobenzene	17.16	146	1573624	8.321	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1575759	8.552	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1539870	8.582	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	921524	7.758	ppbv	100
79) Naphthalene	22.41	128	2625785	10.025	ppbv	100
80) Naphthalene, 2-methyl-	25.11	142	1117519	12.713	ppbv	98
81) 1,2,4-Trichlorobenzene	22.13	180	1349530	9.288	ppbv	99

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

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