

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041619\
 Data File : VL033589.D
 Acq On : 16 Apr 2019 12:09
 Operator : SY/AP
 Sample : VL0416ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0416ABS01

Quant Time: Apr 17 06:40:46 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	864892	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2148908	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2278929m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1770117	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	967577	7.671	ppbv	98
3) Chlorodifluoromethane	3.02	51	839420	8.430	ppbv	99
4) Chloromethane	3.17	50	453618	8.609	ppbv	99
5) Vinyl Chloride	3.29	62	456777	8.823	ppbv	100
6) Bromomethane	3.52	94	292361	8.788	ppbv	92
7) Chloroethane	3.60	64	172446	8.950	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1151928	8.570	ppbv	99
9) Propene	3.04	41	355012	8.490	ppbv	98
10) Heptane	8.25	43	981563	8.782	ppbv	98
11) Trichlorofluoromethane	4.01	101	1367632	8.797	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	930655	8.913	ppbv	100
13) Ethanol	3.65	45	118205	10.924	ppbv	65
14) Bromoethene	3.79	108	376363	9.037	ppbv	99
15) Acetone	3.90	43	915642	8.805	ppbv	99
16) 1,3-Butadiene	3.36	39	396150	9.604	ppbv	95
17) tert-Butyl alcohol	4.36	59	182774	9.559	ppbv	100
18) 1,1-Dichloroethene	4.35	96	407117	9.077	ppbv	95
19) Isopropyl Alcohol	4.02	45	659008	10.019	ppbv	# 98
20) Methylene Chloride	4.41	84	360641	8.170	ppbv	96
21) Allyl Chloride	4.48	41	595265	9.055	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	421156	9.000	ppbv	98
23) Vinyl Acetate	5.16	43	1317562	8.901	ppbv	99
24) 1,1-Dichloroethane	5.09	63	940991	8.369	ppbv	100
25) Ethyl Acetate	5.77	43	1598163	8.283	ppbv	100
26) Hexane	5.78	57	720507	8.398	ppbv	98
27) Carbon Disulfide	4.62	76	1007711	9.878	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	1089639	8.818	ppbv	100
29) Chloroform	5.85	83	1251306	8.509	ppbv	96
30) Cyclohexane	7.25	84	637166	9.388	ppbv	100
31) cis-1,2-Dichloroethene	5.64	61	743758	8.720	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1238512	8.844	ppbv	100
34) 2-Butanone	5.33	43	1048186	8.119	ppbv	100
35) Carbon Tetrachloride	7.13	117	1367300	8.983	ppbv	99
36) Benzene	7.00	78	1520314	8.432	ppbv	98
37) 1,2-Dichloroethane	6.42	62	952188	7.879	ppbv	100
38) Trichloroethene	7.96	130	641727	9.457	ppbv	98
39) 1,2-Dichloropropane	7.74	63	573328	8.117	ppbv	97
40) 1,4-Dioxane	7.96	88	243307	9.658	ppbv	78
41) Tetrahydrofuran	6.15	42	590225	8.312	ppbv	99
42) Bromodichloromethane	7.92	83	1408636	8.557	ppbv	100
43) Methyl Methacrylate	8.14	69	630398	8.610	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2650553	8.412	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	869756	9.676	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	992628	9.456	ppbv	97
47) 1,1,2-Trichloroethane	9.62	97	675477	8.422	ppbv	98
48) Dibromochloromethane	10.45	129	1235210	9.131	ppbv	99
49) Bromoform	13.20	173	1130417	8.747	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1635737	8.652	ppbv	99
51) 2-Hexanone	10.27	43	1284158	9.106	ppbv #	99
52) Tetrachloroethene	11.37	164	610046	8.967	ppbv	98
53) Toluene	9.95	91	1881104	8.978	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1067599	8.510	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	881615	8.441	ppbv	99
57) Chlorobenzene	12.30	112	1450648	8.198	ppbv	97
58) Ethyl Benzene	12.87	91	2678382	8.801	ppbv	100
59) m/p-Xylene	13.15	91	4503428m	16.567	ppbv	
60) o-Xylene	13.85	91	2252944	8.571	ppbv	99
61) Styrene	13.69	104	1657537	9.188	ppbv	100
62) Isopropylbenzene	14.83	105	3167419	8.509	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1595148	8.241	ppbv	99
64) n-propylbenzene	15.72	120	824096	8.725	ppbv	98
65) tert-Butylbenzene	16.91	119	2877687	8.773	ppbv	99
66) Benzyl Chloride	17.16	91	1642108	10.766	ppbv	99
67) sec-Butylbenzene	17.46	105	4090222	8.768	ppbv	100
69) p-Isopropyltoluene	17.82	119	3417300	8.997	ppbv	100
70) n-Butylbenzene	18.72	91	3574051	8.881	ppbv	100
71) 2-Chlorotoluene	15.62	91	2459619	8.690	ppbv	99
72) 4-Ethyltoluene	16.00	105	2658374	8.997	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2568132	9.082	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	2653101	8.754	ppbv	99
75) 1,3-Dichlorobenzene	17.17	146	1600302	8.543	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1593644	8.732	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1546161	8.700	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	917519	7.799	ppbv	100
79) Naphthalene	22.41	128	2599813	10.021	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	877326	10.076	ppbv	97
81) 1,2,4-Trichlorobenzene	22.14	180	1364080	9.479	ppbv	100

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

