

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050719\
 Data File : VL033680.D
 Acq On : 7 May 2019 13:39
 Operator : SY/AP
 Sample : K2241-13 0.4PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Quant Time: May 08 03:28:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	965226	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2297838	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2271705	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1846239	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	3.07	85	112294	0.496	ppbv	98
3) Chlorodifluoromethane	3.01	51	62561m	0.449	ppbv	
4) Chloromethane	3.17	50	32969	0.455	ppbv #	83
5) Vinyl Chloride	3.29	62	30942	0.439	ppbv	93
6) Bromomethane	3.51	94	19865	0.444	ppbv	98
7) Chloroethane	3.60	64	11891m	0.465	ppbv	
8) Dichlorotetrafluoroethane	3.22	85	84775	0.455	ppbv	99
9) Propene	3.04	41	23932	0.450	ppbv	93
10) Heptane	8.24	43	48189	0.367	ppbv	97
11) Trichlorofluoromethane	4.00	101	98262	0.465	ppbv	90
12) 1,1,2-Trichlorotrifluoroet	4.55	101	64397	0.453	ppbv	99
13) Ethanol	3.65	45	9593m	0.601	ppbv	
14) Bromoethene	3.79	108	24224	0.432	ppbv #	94
15) Acetone	3.91	43	71426	0.497	ppbv	97
16) 1,3-Butadiene	3.36	39	26963	0.438	ppbv	99
17) tert-Butyl alcohol	4.37	59	56036m	0.514	ppbv	
18) 1,1-Dichloroethene	4.35	96	25786	0.420	ppbv	88
19) Isopropyl Alcohol	4.04	45	42981	0.487	ppbv #	93
20) Methylene Chloride	4.41	84	26366	0.484	ppbv	87
21) Allyl Chloride	4.48	41	37939	0.436	ppbv	97
22) trans-1,2-Dichloroethene	4.96	96	28634	0.465	ppbv	87
23) Vinyl Acetate	5.15	43	80179	0.430	ppbv #	95
24) 1,1-Dichloroethane	5.08	63	65444	0.464	ppbv	97
25) Ethyl Acetate	5.77	43	105850	0.453	ppbv	99
26) Hexane	5.78	57	42501	0.423	ppbv	84
27) Carbon Disulfide	4.62	76	55214m	0.402	ppbv	
28) Methyl tert-Butyl Ether	5.12	73	71802	0.425	ppbv	98
29) Chloroform	5.84	83	84974	0.471	ppbv	94
30) Cyclohexane	7.25	84	30952m	0.367	ppbv	
31) cis-1,2-Dichloroethene	5.64	61	41863	0.419	ppbv	90
32) 1,1,1-Trichloroethane	6.62	97	78739	0.422	ppbv	96
34) 2-Butanone	5.34	43	63026	0.428	ppbv	98
35) Carbon Tetrachloride	7.13	117	82605	0.437	ppbv	89
36) Benzene	7.00	78	81096	0.394	ppbv	94
37) 1,2-Dichloroethane	6.40	62	61444	0.427	ppbv	100
38) Trichloroethene	7.95	130	31067	0.411	ppbv	96
39) 1,2-Dichloropropane	7.73	63	34552	0.450	ppbv	95
40) 1,4-Dioxane	7.99	88	13988m	0.456	ppbv	
41) Tetrahydrofuran	6.17	42	28703	0.377	ppbv	97
42) Bromodichloromethane	7.91	83	78272	0.422	ppbv #	95
43) Methyl Methacrylate	8.14	69	26158	0.338	ppbv	94

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44) 2,2,4-Trimethylpentane	7.99	57	136752	0.388	ppbv	92
45) t-1,3-Dichloropropene	9.41	75	29436	0.309	ppbv #	87
46) cis-1,3-Dichloropropene	8.83	75	37619	0.317	ppbv	88
47) 1,1,2-Trichloroethane	9.61	97	38896	0.441	ppbv	95
48) Dibromochloromethane	10.44	129	58056m	0.388	ppbv	
49) Bromoform	13.20	173	47439m	0.365	ppbv	
50) 4-Methyl-2-Pentanone	8.89	43	84022	0.377	ppbv	94
51) 2-Hexanone	10.29	43	58379m	0.338	ppbv	
52) Tetrachloroethene	11.36	164	30576m	0.419	ppbv	
53) Toluene	9.94	91	75370	0.339	ppbv	98
54) 1,2-Dibromoethane	10.75	107	54498	0.410	ppbv	90
56) 1,1,1,2-Tetrachloroethane	12.27	131	47070m	0.449	ppbv	
57) Chlorobenzene	12.29	112	87449m	0.469	ppbv	
58) Ethyl Benzene	12.86	91	100450	0.339	ppbv	92
59) m/p-Xylene	13.14	91	191804m	0.735	ppbv	
60) o-Xylene	13.84	91	99152	0.375	ppbv	100
61) Styrene	13.68	104	53243m	0.303	ppbv	
62) Isopropylbenzene	14.82	105	133574	0.370	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	84460	0.439	ppbv	96
64) n-propylbenzene	15.71	120	31674	0.340	ppbv	75
65) tert-Butylbenzene	16.90	119	115642	0.350	ppbv	90
66) Benzyl Chloride	17.15	91	53759m	0.357	ppbv	
67) sec-Butylbenzene	17.45	105	175444m	0.380	ppbv	
69) p-Isopropyltoluene	17.81	119	130129	0.342	ppbv	96
70) n-Butylbenzene	18.71	91	147964	0.367	ppbv	96
71) 2-Chlorotoluene	15.61	91	92306	0.347	ppbv	99
72) 4-Ethyltoluene	16.00	105	103553	0.334	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.15	105	105070	0.350	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	130278m	0.391	ppbv	
75) 1,3-Dichlorobenzene	17.15	146	96941m	0.481	ppbv	
76) 1,4-Dichlorobenzene	17.30	146	78894m	0.413	ppbv	
77) 1,2-Dichlorobenzene	17.98	146	76604	0.410	ppbv	97
78) Hexachloro-1,3-Butadiene	23.54	225	71730m	0.485	ppbv	
79) Naphthalene	22.41	128	99803	0.328	ppbv	98
80) Naphthalene, 2-methyl-	25.11	142	26434	0.230	ppbv	93
81) 1,2,4-Trichlorobenzene	22.13	180	69686m	0.394	ppbv	

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

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