

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041619\
 Data File : VL033593.D
 Acq On : 16 Apr 2019 15:36
 Operator : SY/AP
 Sample : K2241-13 0.4 PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Apr 22 11:04:40 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	879686	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2092323	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2086979	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1711760	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	63697	0.496 ppbv	92
3) Chlorodifluoromethane	3.02	51	41456	0.409 ppbv	99
4) Chloromethane	3.17	50	21518	0.402 ppbv	100
5) Vinyl Chloride	3.29	62	20395	0.387 ppbv	90
6) Bromomethane	3.52	94	13286	0.393 ppbv	90
7) Chloroethane	3.61	64	8393	0.428 ppbv	94
8) Dichlorotetrafluoroethane	3.22	85	56721	0.415 ppbv	98
9) Propene	3.04	41	14527	0.342 ppbv	99
10) Heptane	8.25	43	29728	0.261 ppbv	98
11) Trichlorofluoromethane	4.00	101	65927	0.417 ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.56	101	44762m	0.421 ppbv	
13) Ethanol	3.67	45	6056m	0.550 ppbv	
14) Bromoethene	3.79	108	14631	0.345 ppbv	96
15) Acetone	3.92	43	54547	0.516 ppbv	94
16) 1,3-Butadiene	3.36	39	16370m	0.390 ppbv	
17) tert-Butyl alcohol	4.39	59	8153	0.419 ppbv	99
18) 1,1-Dichloroethene	4.35	96	17326	0.380 ppbv	98
19) Isopropyl Alcohol	4.05	45	29662	0.443 ppbv #	90
20) Methylene Chloride	4.41	84	22160	0.494 ppbv	97
21) Allyl Chloride	4.48	41	22858	0.342 ppbv	91
22) trans-1,2-Dichloroethene	4.97	96	17690	0.372 ppbv	88
23) Vinyl Acetate	5.16	43	52413	0.348 ppbv #	95
24) 1,1-Dichloroethane	5.09	63	41799	0.366 ppbv	100
25) Ethyl Acetate	5.78	43	65016	0.331 ppbv	98
26) Hexane	5.78	57	28156	0.323 ppbv #	89
27) Carbon Disulfide	4.63	76	35766	0.345 ppbv #	90
28) Methyl tert-Butyl Ether	5.13	73	35361	0.281 ppbv	99
29) Chloroform	5.85	83	53307	0.356 ppbv	100
30) Cyclohexane	7.24	84	18224m	0.264 ppbv	
31) cis-1,2-Dichloroethene	5.64	61	24107	0.278 ppbv #	88
32) 1,1,1-Trichloroethane	6.62	97	48740	0.342 ppbv	94
34) 2-Butanone	5.34	43	35399	0.282 ppbv	99
35) Carbon Tetrachloride	7.13	117	52424	0.354 ppbv #	84
36) Benzene	7.00	78	49327	0.281 ppbv	92
37) 1,2-Dichloroethane	6.41	62	39716	0.338 ppbv	98
38) Trichloroethene	7.96	130	20464m	0.310 ppbv	
39) 1,2-Dichloropropane	7.73	63	21343m	0.310 ppbv	
40) 1,4-Dioxane	8.00	88	6695m	0.273 ppbv	
41) Tetrahydrofuran	6.17	42	16400m	0.237 ppbv	
42) Bromodichloromethane	7.91	83	49255	0.307 ppbv	98
43) Methyl Methacrylate	8.14	69	17539m	0.246 ppbv	

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44) 2,2,4-Trimethylpentane	7.99	57	80364	0.262	ppbv	# 87
45) t-1,3-Dichloropropene	9.41	75	19738	0.226	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	23352	0.228	ppbv	92
47) 1,1,2-Trichloroethane	9.61	97	24236m	0.310	ppbv	
48) Dibromochloromethane	10.45	129	37762	0.287	ppbv	99
49) Bromoform	13.19	173	31308m	0.249	ppbv	
50) 4-Methyl-2-Pentanone	8.89	43	49411m	0.268	ppbv	
51) 2-Hexanone	10.30	43	29028m	0.211	ppbv	
52) Tetrachloroethene	11.37	164	21287m	0.321	ppbv	
53) Toluene	9.94	91	44156	0.216	ppbv	100
54) 1,2-Dibromoethane	10.76	107	34178m	0.280	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.28	131	32095m	0.336	ppbv	
57) Chlorobenzene	12.30	112	56957m	0.351	ppbv	
58) Ethyl Benzene	12.87	91	65553m	0.235	ppbv	
59) m/p-Xylene	13.15	91	127097m	0.511	ppbv	
60) o-Xylene	13.84	91	64075m	0.266	ppbv	
61) Styrene	13.69	104	33169m	0.201	ppbv	
62) Isopropylbenzene	14.82	105	92544	0.271	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	59748m	0.337	ppbv	
64) n-propylbenzene	15.72	120	22219m	0.257	ppbv	
65) tert-Butylbenzene	16.91	119	71608	0.238	ppbv	87
66) Benzyl Chloride	17.15	91	33451m	0.239	ppbv	
67) sec-Butylbenzene	17.46	105	113689m	0.266	ppbv	
69) p-Isopropyltoluene	17.81	119	76798	0.221	ppbv	94
70) n-Butylbenzene	18.72	91	83531m	0.227	ppbv	
71) 2-Chlorotoluene	15.61	91	63687m	0.246	ppbv	
72) 4-Ethyltoluene	16.00	105	61818m	0.228	ppbv	
73) 1,3,5-Trimethylbenzene	16.15	105	58568	0.226	ppbv	93
74) 1,2,4-Trimethylbenzene	16.92	105	68762	0.248	ppbv	# 91
75) 1,3-Dichlorobenzene	17.17	146	59095m	0.344	ppbv	
76) 1,4-Dichlorobenzene	17.30	146	49053m	0.293	ppbv	
77) 1,2-Dichlorobenzene	17.98	146	47348m	0.291	ppbv	
78) Hexachloro-1,3-Butadiene	23.55	225	40883m	0.379	ppbv	
79) Naphthalene	22.41	128	24745m	0.104	ppbv	
80) Naphthalene, 2-methyl-	25.12	142	2705	0.034	ppbv	# 45
81) 1,2,4-Trichlorobenzene	22.14	180	22489m	0.171	ppbv	

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

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