

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL011619\
 Data File : VL033109.D
 Acq On : 17 Jan 2019 2:34
 Operator : SY/AP
 Sample : IDOC-2
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IDOC-2

Manual Integrations
 APPROVED

sam
 1/21/2019 8:51:06 AM

Quant Time: Jan 17 04:07:30 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 0

QLast Update : Fri Jan 04 16:09:05 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1125236	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2797781	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2758764	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2043332	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.07	85	2334956	11.150	ppbv	100
3) Chlorodifluoromethane	3.01	51	1293452	10.155	ppbv	99
4) Chloromethane	3.17	50	712500	9.766	ppbv	97
5) Vinyl Chloride	3.29	62	725701	9.849	ppbv	100
6) Bromomethane	3.51	94	473237	9.455	ppbv	100
7) Chloroethane	3.60	64	280660	9.741	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1807859	10.022	ppbv	99
9) Propene	3.04	41	531116	11.162	ppbv	99
10) Heptane	8.25	43	1356507	10.013	ppbv	100
11) Trichlorofluoromethane	4.00	101	1940220	8.385	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1324611	9.053	ppbv	99
13) Ethanol	3.64	45	101600	5.354	ppbv	95
14) Bromoethene	3.79	108	612209	9.473	ppbv	99
15) Acetone	3.90	43	1413841	9.078	ppbv	99
16) 1,3-Butadiene	3.36	39	617605	10.516	ppbv	98
17) tert-Butyl alcohol	4.36	59	289529	8.776	ppbv	99
18) 1,1-Dichloroethene	4.35	96	620982	9.214	ppbv	98
19) Isopropyl Alcohol	4.02	45	720445	6.719	ppbv #	99
20) Methylene Chloride	4.41	84	521464	8.031	ppbv	97
21) Allyl Chloride	4.48	41	958955	9.936	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	618780	9.262	ppbv	96
23) Vinyl Acetate	5.15	43	2020127	10.196	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1525736	9.069	ppbv	99
25) Ethyl Acetate	5.77	43	2388197	9.072	ppbv	100
26) Hexane	5.78	57	1133950	9.148	ppbv	98
27) Carbon Disulfide	4.62	76	1540535	10.077	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1871327	9.671	ppbv	100
29) Chloroform	5.85	83	1860203	8.806	ppbv	99
30) Cyclohexane	7.25	84	949600	10.274	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1162608	10.100	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1949056	9.091	ppbv	100
34) 2-Butanone	5.33	43	1563262	9.617	ppbv	99
35) Carbon Tetrachloride	7.13	117	2143408	8.919	ppbv	99
36) Benzene	7.00	78	2285649	9.973	ppbv	98
37) 1,2-Dichloroethane	6.41	62	1430273	8.939	ppbv	100
38) Trichloroethene	7.96	130	942337	9.995	ppbv	97
39) 1,2-Dichloropropane	7.74	63	830868	9.651	ppbv	98
40) 1,4-Dioxane	7.95	88	297998	9.118	ppbv	90
41) Tetrahydrofuran	6.15	42	848875	10.260	ppbv	98
42) Bromodichloromethane	7.92	83	2005802	9.125	ppbv	99
43) Methyl Methacrylate	8.14	69	895060	10.408	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3774773	9.726	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1202526	11.234	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	1390522	11.381	ppbv	98
47) 1,1,2-Trichloroethane	9.61	97	928087	9.227	ppbv	98
48) Dibromochloromethane	10.45	129	1677276	9.438	ppbv	99
49) Bromoform	13.20	173	1378038	8.875	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2132017	10.351	ppbv	100
51) 2-Hexanone	10.27	43	1574482	10.564	ppbv	100
52) Tetrachloroethene	11.37	164	796334	9.830	ppbv	98
53) Toluene	9.95	91	2586872	10.533	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1397213	9.641	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1210111	8.489	ppbv	98
57) Chlorobenzene	12.30	112	1970299	8.556	ppbv	97
58) Ethyl Benzene	12.86	91	3408427	9.785	ppbv	98
59) m/p-Xylene	13.15	91	5774954m	17.922	ppbv	
60) o-Xylene	13.85	91	2816242	8.928	ppbv	99
61) Styrene	13.69	104	2068593	10.277	ppbv	100
62) Isopropylbenzene	14.83	105	3906792	8.703	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1878762	8.018	ppbv	99
64) n-propylbenzene	15.72	120	992106	8.700	ppbv	98
65) tert-Butylbenzene	16.91	119	3461389	8.705	ppbv	99
66) Benzyl Chloride	17.15	91	2007370	8.857	ppbv	100
67) sec-Butylbenzene	17.46	105	4898059	8.607	ppbv	99
69) p-Isopropyltoluene	17.82	119	4126263	8.934	ppbv	100
70) n-Butylbenzene	18.71	91	4279746	9.218	ppbv	100
71) 2-Chlorotoluene	15.61	91	2886463	9.066	ppbv	99
72) 4-Ethyltoluene	16.00	105	3182659	9.181	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3022797	8.838	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	3187780	8.415	ppbv	95
75) 1,3-Dichlorobenzene	17.16	146	1845094	8.275	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1805867	8.891	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1789217	8.910	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1170189	7.587	ppbv	99
79) Naphthalene	22.41	128	3774827	11.831	ppbv	98
80) Naphthalene,2-methyl-	25.12	142	853289	8.812	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1758962	11.411	ppbv	99

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

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