

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL011619\
 Data File : VL033108.D
 Acq On : 17 Jan 2019 1:55
 Operator : SY/AP
 Sample : IDOC-1
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 IDOC-1

Manual Integrations
 APPROVED

sam
 1/21/2019 8:50:59 AM

Quant Time: Jan 17 04:06:28 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	1075996	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2605678	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2666694	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1931023	9.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	2254018	11.256	ppbv	99
3) Chlorodifluoromethane	3.01	51	1184742	9.727	ppbv	97
4) Chloromethane	3.17	50	642935	9.216	ppbv	97
5) Vinyl Chloride	3.29	62	674546	9.574	ppbv	97
6) Bromomethane	3.51	94	453571	9.476	ppbv	94
7) Chloroethane	3.60	64	256059	9.294	ppbv	95
8) Dichlorotetrafluoroethane	3.22	85	1733423	10.050	ppbv	99
9) Propene	3.04	41	453682	9.971	ppbv	100
10) Heptane	8.25	43	1306047	10.081	ppbv	100
11) Trichlorofluoromethane	4.00	101	1925658	8.703	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1332573	9.524	ppbv	98
13) Ethanol	3.65	45	89024	4.906	ppbv	94
14) Bromoethene	3.79	108	573612	9.282	ppbv	100
15) Acetone	3.90	43	1374765	9.231	ppbv	99
16) 1,3-Butadiene	3.36	39	574704	10.233	ppbv	98
17) tert-Butyl alcohol	4.35	59	275032	8.718	ppbv	98
18) 1,1-Dichloroethene	4.35	96	605321	9.392	ppbv	97
19) Isopropyl Alcohol	4.02	45	653043	6.369	ppbv	# 98
20) Methylene Chloride	4.41	84	508133	8.184	ppbv	96
21) Allyl Chloride	4.48	41	924023	10.012	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	611854	9.578	ppbv	96
23) Vinyl Acetate	5.15	43	1856527	9.799	ppbv	98
24) 1,1-Dichloroethane	5.09	63	1473192	9.158	ppbv	98
25) Ethyl Acetate	5.77	43	2261460	8.983	ppbv	100
26) Hexane	5.78	57	1060551	8.947	ppbv	99
27) Carbon Disulfide	4.62	76	1520063	10.398	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1760879	9.517	ppbv	99
29) Chloroform	5.85	83	1810325	8.962	ppbv	99
30) Cyclohexane	7.25	84	892659	10.100	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1089569	9.899	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	1887646	9.207	ppbv	98
34) 2-Butanone	5.33	43	1464275	9.672	ppbv	98
35) Carbon Tetrachloride	7.14	117	2118032	9.463	ppbv	99
36) Benzene	7.00	78	2121563	9.940	ppbv	100
37) 1,2-Dichloroethane	6.41	62	1411642	9.472	ppbv	99
38) Trichloroethene	7.96	130	889448	10.130	ppbv	94
39) 1,2-Dichloropropane	7.74	63	765265	9.544	ppbv	96
40) 1,4-Dioxane	7.95	88	273963	9.001	ppbv	# 1
41) Tetrahydrofuran	6.15	42	790255	10.255	ppbv	99
42) Bromodichloromethane	7.92	83	1952999	9.540	ppbv	100
43) Methyl Methacrylate	8.14	69	858230	10.716	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3597231	9.952	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1128684	11.321	ppbv	97
46) cis-1,3-Dichloropropene	8.84	75	1310588	11.518	ppbv	97
47) 1,1,2-Trichloroethane	9.62	97	893292	9.536	ppbv	98
48) Dibromochloromethane	10.45	129	1648080	9.957	ppbv	99
49) Bromoform	13.20	173	1358051	9.391	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2076426	10.824	ppbv	99
51) 2-Hexanone	10.27	43	1531156	11.031	ppbv	100
52) Tetrachloroethene	11.37	164	752112	9.969	ppbv	98
53) Toluene	9.95	91	2474930	10.820	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1350943	10.009	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	1173620	8.518	ppbv	97
57) Chlorobenzene	12.30	112	1907126	8.568	ppbv	99
58) Ethyl Benzene	12.86	91	3298235	9.796	ppbv	98
59) m/p-Xylene	13.15	91	5668113m	18.198	ppbv	
60) o-Xylene	13.85	91	2771399	9.089	ppbv	99
61) Styrene	13.69	104	1982044	10.187	ppbv	99
62) Isopropylbenzene	14.83	105	3791538	8.738	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1853819	8.185	ppbv	100
64) n-propylbenzene	15.72	120	966507	8.768	ppbv	98
65) tert-Butylbenzene	16.91	119	3380688	8.795	ppbv	99
66) Benzyl Chloride	17.16	91	1945862	8.882	ppbv	99
67) sec-Butylbenzene	17.46	105	4773004	8.677	ppbv	100
69) p-Isopropyltoluene	17.82	119	4023214	9.012	ppbv	99
70) n-Butylbenzene	18.72	91	4233080	9.432	ppbv	100
71) 2-Chlorotoluene	15.62	91	2851438	9.266	ppbv	98
72) 4-Ethyltoluene	16.00	105	3122876	9.320	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2988061	9.038	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	3126917	8.540	ppbv	95
75) 1,3-Dichlorobenzene	17.16	146	1781221	8.264	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1733991	8.832	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1770701	9.122	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1232915	8.270	ppbv	99
79) Naphthalene	22.42	128	3664650	11.882	ppbv	98
80) Naphthalene,2-methyl-	25.12	142	809412	8.648	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1695695	11.380	ppbv	99

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

