

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031819\
 Data File : VL033361.D
 Acq On : 18 Mar 2019 16:49
 Operator : SY/AP
 Sample : VL0318ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0318ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/21/2019 12:14:23 PM

Quant Time: Mar 19 09:19:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 19 09:19:54 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	775038	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1710847	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2037639m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1500913	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1063782	7.805	ppbv	98
3) Chlorodifluoromethane	3.01	51	842308	9.469	ppbv	97
4) Chloromethane	3.17	50	454661	9.439	ppbv	98
5) Vinyl Chloride	3.29	62	443325	8.921	ppbv	100
6) Bromomethane	3.51	94	289536	9.802	ppbv	99
7) Chloroethane	3.60	64	169929	9.786	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1129905	9.738	ppbv	99
9) Propene	3.04	41	364934	9.190	ppbv	99
10) Heptane	8.25	43	977738	9.927	ppbv	100
11) Trichlorofluoromethane	4.00	101	1305062	9.616	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	878113	9.752	ppbv	100
13) Ethanol	3.65	45	76751	4.054	ppbv	99
14) Bromoethene	3.79	108	369598	9.847	ppbv	99
15) Acetone	3.90	43	835178m	6.932	ppbv	
16) 1,3-Butadiene	3.36	39	415992	10.631	ppbv	89
17) tert-Butyl alcohol	4.35	59	170617	10.063	ppbv	100
18) 1,1-Dichloroethene	4.35	96	386946	9.398	ppbv	96
19) Isopropyl Alcohol	4.02	45	561021	9.789	ppbv	99
20) Methylene Chloride	4.41	84	320976	8.169	ppbv	96
21) Allyl Chloride	4.48	41	588138	10.063	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	394633	9.890	ppbv	98
23) Vinyl Acetate	5.16	43	1357730	9.740	ppbv	99
24) 1,1-Dichloroethane	5.09	63	971080	9.645	ppbv	99
25) Ethyl Acetate	5.77	43	1683425	9.612	ppbv	100
26) Hexane	5.78	57	742279	9.481	ppbv	99
27) Carbon Disulfide	4.62	76	957344	10.621	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1116927	9.604	ppbv	100
29) Chloroform	5.85	83	1258270	9.815	ppbv	98
30) Cyclohexane	7.25	84	609698	9.713	ppbv	100
31) cis-1,2-Dichloroethene	5.64	61	781883	9.988	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1230311	9.774	ppbv	99
34) 2-Butanone	5.33	43	1099172	9.783	ppbv	97
35) Carbon Tetrachloride	7.13	117	1304648	10.817	ppbv	98
36) Benzene	7.00	78	1510012	9.862	ppbv	99
37) 1,2-Dichloroethane	6.41	62	973483	10.055	ppbv	99
38) Trichloroethene	7.96	130	579962	10.010	ppbv	97
39) 1,2-Dichloropropane	7.74	63	574521	10.020	ppbv	96
40) 1,4-Dioxane	7.95	88	193402	9.578	ppbv #	1
41) Tetrahydrofuran	6.15	42	605288	10.095	ppbv	99
42) Bromodichloromethane	7.92	83	1354684	10.437	ppbv	99
43) Methyl Methacrylate	8.14	69	618707	10.378	ppbv	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031819\
 Data File : VL033361.D
 Acq On : 18 Mar 2019 16:49
 Operator : SY/AP
 Sample : VL0318ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0318ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/21/2019 12:14:23 PM

Quant Time: Mar 19 09:19:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 19 09:19:54 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2571268	10.139	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	836418	11.364	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	943806	10.890	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	634141	10.010	ppbv	96
48) Dibromochloromethane	10.45	129	1166251	10.977	ppbv	99
49) Bromoform	13.20	173	1163859	11.548	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1590576	10.022	ppbv	98
51) 2-Hexanone	10.27	43	1258152	10.275	ppbv #	99
52) Tetrachloroethene	11.37	164	575955	9.029	ppbv	98
53) Toluene	9.95	91	1805763	10.379	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1027062	9.590	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.28	131	920135	10.095	ppbv	97
57) Chlorobenzene	12.30	112	1540426	9.545	ppbv	100
58) Ethyl Benzene	12.87	91	2888219	10.020	ppbv	99
59) m/p-Xylene	13.15	91	4827201m	19.487	ppbv	
60) o-Xylene	13.85	91	2413003	9.985	ppbv	100
61) Styrene	13.69	104	1754056	10.366	ppbv	99
62) Isopropylbenzene	14.83	105	3359173	9.998	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1669846	9.558	ppbv	100
64) n-propylbenzene	15.72	120	858197	10.094	ppbv	99
65) tert-Butylbenzene	16.91	119	3010310	9.952	ppbv	100
66) Benzyl Chloride	17.16	91	1530405	12.243	ppbv	99
67) sec-Butylbenzene	17.46	105	4318445	10.075	ppbv	100
69) p-Isopropyltoluene	17.82	119	3576944	10.215	ppbv	100
70) n-Butylbenzene	18.72	91	3774807	10.109	ppbv	99
71) 2-Chlorotoluene	15.62	91	2597023	9.930	ppbv	100
72) 4-Ethyltoluene	16.00	105	2750625	10.023	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2681979	10.031	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	2758022	9.740	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	1595036	9.557	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1599853	9.901	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1562993	9.889	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	807136	8.517	ppbv	99
79) Naphthalene	22.41	128	2559094	9.379	ppbv	97
80) Naphthalene, 2-methyl-	25.12	142	1021677	7.896	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1312098	9.430	ppbv	99

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

