

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062619\
 Data File : VL033966.D
 Acq On : 26 Jun 2019 13:58
 Operator : SY/AP
 Sample : VL0626ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 3:00:48 PM

Quant Time: Jun 27 04:19:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	887899	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	2032142	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.21	117	2241353m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.55	95	1763413	9.58	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1520269	10.552	ppbv	98
3) Chlorodifluoromethane	3.00	51	1032285	9.876	ppbv	99
4) Chloromethane	3.16	50	528898	8.871	ppbv	99
5) Vinyl Chloride	3.28	62	544802	9.848	ppbv	99
6) Bromomethane	3.50	94	366666	9.977	ppbv	97
7) Chloroethane	3.59	64	208177	9.515	ppbv	95
8) Dichlorotetrafluoroethane	3.21	85	1491893	9.689	ppbv	100
9) Propene	3.02	41	380453	9.727	ppbv	98
10) Heptane	8.22	43	1071877	10.842	ppbv	99
11) Trichlorofluoromethane	3.99	101	1860167	10.006	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1243134	9.894	ppbv	100
13) Ethanol	3.64	45	136453	10.723	ppbv	96
14) Bromoethene	3.77	108	481039	10.275	ppbv	99
15) Acetone	3.89	43	1339404	10.343	ppbv	100
16) 1,3-Butadiene	3.35	39	502054	10.186	ppbv	98
17) tert-Butyl alcohol	4.34	59	1140139	11.263	ppbv	99
18) 1,1-Dichloroethene	4.34	96	538738	10.152	ppbv	96
19) Isopropyl Alcohol	4.01	45	845792	11.433	ppbv #	98
20) Methylene Chloride	4.39	84	447221	8.856	ppbv	95
21) Allyl Chloride	4.46	41	747933	10.168	ppbv	99
22) trans-1,2-Dichloroethene	4.94	96	554801	9.918	ppbv	97
23) Vinyl Acetate	5.14	43	1665736	11.067	ppbv	99
24) 1,1-Dichloroethane	5.07	63	1123498	9.597	ppbv	99
25) Ethyl Acetate	5.75	43	1898907	9.629	ppbv	100
26) Hexane	5.76	57	840353	9.359	ppbv	99
27) Carbon Disulfide	4.60	76	1335956	10.709	ppbv	99
28) Methyl tert-Butyl Ether	5.09	73	1497661	11.030	ppbv	100
29) Chloroform	5.83	83	1497048	9.735	ppbv	98
30) Cyclohexane	7.22	84	685741	10.809	ppbv	98
31) cis-1,2-Dichloroethene	5.62	61	842054	10.694	ppbv	98
32) 1,1,1-Trichloroethane	6.60	97	1570378	10.586	ppbv	100
34) 2-Butanone	5.31	43	1235204	10.774	ppbv	99
35) Carbon Tetrachloride	7.11	117	1691790	10.775	ppbv	98
36) Benzene	6.98	78	1670015	10.758	ppbv	99
37) 1,2-Dichloroethane	6.39	62	1154888	10.060	ppbv	100
38) Trichloroethene	7.93	130	718821	11.893	ppbv	97
39) 1,2-Dichloropropane	7.71	63	630830	10.529	ppbv	95
40) 1,4-Dioxane	7.93	88	260252	10.650	ppbv #	1
41) Tetrahydrofuran	6.12	42	654055	11.240	ppbv	100
42) Bromodichloromethane	7.89	83	1622057	10.573	ppbv	99
43) Methyl Methacrylate	8.12	69	686059	11.817	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062619\
 Data File : VL033966.D
 Acq On : 26 Jun 2019 13:58
 Operator : SY/AP
 Sample : VL0626ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 3:00:48 PM

Quant Time: Jun 27 04:19:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.97	57	2920168	10.578	ppbv	99
45) t-1,3-Dichloropropene	9.39	75	869649	11.416	ppbv	98
46) cis-1,3-Dichloropropene	8.81	75	1003935	11.503	ppbv	97
47) 1,1,2-Trichloroethane	9.59	97	726372	10.170	ppbv	98
48) Dibromochloromethane	10.42	129	1409391	10.981	ppbv	99
49) Bromoform	13.17	173	1245807	10.995	ppbv	99
50) 4-Methyl-2-Pentanone	8.84	43	1860380	10.883	ppbv	100
51) 2-Hexanone	10.25	43	1536324	11.508	ppbv #	99
52) Tetrachloroethene	11.34	164	664938	12.174	ppbv	97
53) Toluene	9.92	91	2003038	11.660	ppbv	99
54) 1,2-Dibromoethane	10.73	107	1166641	10.836	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.25	131	962160	9.827	ppbv	99
57) Chlorobenzene	12.27	112	1595889	9.507	ppbv	98
58) Ethyl Benzene	12.83	91	2781188	11.006	ppbv	99
59) m/p-Xylene	13.12	91	4852566m	21.117	ppbv	
60) o-Xylene	13.82	91	2461549	10.375	ppbv	100
61) Styrene	13.65	104	1681853	10.954	ppbv	99
62) Isopropylbenzene	14.80	105	3321489	10.387	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.81	83	1741476	9.751	ppbv	99
64) n-propylbenzene	15.69	120	880594	10.753	ppbv	98
65) tert-Butylbenzene	16.88	119	3171693	10.719	ppbv	100
66) Benzyl Chloride	17.13	91	1437666	9.588	ppbv	99
67) sec-Butylbenzene	17.43	105	4404230	10.610	ppbv	99
69) p-Isopropyltoluene	17.79	119	3673293	10.635	ppbv	100
70) n-Butylbenzene	18.69	91	3847136	10.170	ppbv	100
71) 2-Chlorotoluene	15.59	91	2579641	10.950	ppbv	99
72) 4-Ethyltoluene	15.97	105	2944328	10.905	ppbv	99
73) 1,3,5-Trimethylbenzene	16.13	105	2840202	10.679	ppbv	99
74) 1,2,4-Trimethylbenzene	16.90	105	3007332	9.811	ppbv	100
75) 1,3-Dichlorobenzene	17.14	146	1719814	8.959	ppbv	100
76) 1,4-Dichlorobenzene	17.28	146	1659325	9.414	ppbv	99
77) 1,2-Dichlorobenzene	17.96	146	1649674	9.312	ppbv	99
78) Hexachloro-1,3-Butadiene	23.51	225	1173226	8.479	ppbv	99
79) Naphthalene	22.38	128	2338442	9.544	ppbv	99
80) Naphthalene, 2-methyl-	25.09	142	620631	6.349	ppbv	99
81) 1,2,4-Trichlorobenzene	22.09	180	1332173m	8.612	ppbv	

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

