

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033335.D
 Acq On : 15 Mar 2019 17:41
 Operator : SY/AP
 Sample : VL0315ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0315ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 10:02:31 AM

Quant Time: Mar 16 04:06:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 16 04:06:56 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	5.77	49	807082	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1834021	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2306157	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	1604565	9.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.90%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1043237	7.350	ppbv	100
3) Chlorodifluoromethane	3.01	51	894851	9.660	ppbv	98
4) Chloromethane	3.17	50	464042	9.251	ppbv	96
5) Vinyl Chloride	3.29	62	471760	9.117	ppbv	96
6) Bromomethane	3.52	94	307558	9.999	ppbv	95
7) Chloroethane	3.60	64	182219	10.077	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1161326	9.611	ppbv	98
9) Propene	3.04	41	388956	9.406	ppbv	100
10) Heptane	8.25	43	1028212	10.025	ppbv	100
11) Trichlorofluoromethane	4.01	101	1362065	9.638	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.56	101	870983	9.289	ppbv	98
13) Ethanol	3.65	45	89786	4.554	ppbv	97
14) Bromoethene	3.79	108	383499	9.812	ppbv	100
15) Acetone	3.90	43	881445	7.026	ppbv	100
16) 1,3-Butadiene	3.36	39	378055	9.278	ppbv	96
17) tert-Butyl alcohol	4.36	59	166210	9.414	ppbv	100
18) 1,1-Dichloroethene	4.35	96	399517	9.318	ppbv	99
19) Isopropyl Alcohol	4.03	45	561446	9.408	ppbv	100
20) Methylene Chloride	4.41	84	332386	8.123	ppbv	99
21) Allyl Chloride	4.48	41	608100	9.992	ppbv	100
22) trans-1,2-Dichloroethene	4.97	96	416173	10.016	ppbv	97
23) Vinyl Acetate	5.16	43	1440076	9.920	ppbv	100
24) 1,1-Dichloroethane	5.10	63	1008218	9.617	ppbv	99
25) Ethyl Acetate	5.77	43	1727833	9.474	ppbv	100
26) Hexane	5.79	57	772780	9.478	ppbv	99
27) Carbon Disulfide	4.62	76	995248	10.603	ppbv	100
28) Methyl tert-Butyl Ether	5.12	73	1180560	9.749	ppbv	98
29) Chloroform	5.85	83	1293740	9.691	ppbv	100
30) Cyclohexane	7.25	84	635757	9.726	ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	807948	9.911	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1279660	9.763	ppbv	100
34) 2-Butanone	5.33	43	1130111	9.383	ppbv	98
35) Carbon Tetrachloride	7.14	117	1354523	10.476	ppbv	98
36) Benzene	7.01	78	1606728	9.789	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1015426	9.784	ppbv	99
38) Trichloroethene	7.97	130	613200	9.873	ppbv	99
39) 1,2-Dichloropropane	7.74	63	612547	9.965	ppbv	100
40) 1,4-Dioxane	7.96	88	207950	9.607	ppbv	97
41) Tetrahydrofuran	6.15	42	656811	10.219	ppbv	100
42) Bromodichloromethane	7.92	83	1437520	10.331	ppbv	97
43) Methyl Methacrylate	8.14	69	662714	10.370	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033335.D
 Acq On : 15 Mar 2019 17:41
 Operator : SY/AP
 Sample : VL0315ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0315ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 10:02:31 AM

Quant Time: Mar 16 04:06:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 16 04:06:56 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	8.00	57	2712960	9.979	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	911579	11.553	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	1025280	11.035	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	670956	9.880	ppbv	95
48) Dibromochloromethane	10.46	129	1226355	10.767	ppbv	99
49) Bromoform	13.21	173	1239338	11.471	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	1691016	9.939	ppbv	100
51) 2-Hexanone	10.28	43	1338106	10.195	ppbv #	100
52) Tetrachloroethene	11.38	164	689799	10.088	ppbv	97
53) Toluene	9.96	91	1927058	10.333	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1218062	10.610	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	976073	9.461	ppbv #	93
57) Chlorobenzene	12.31	112	1625056	8.897	ppbv	99
58) Ethyl Benzene	12.87	91	3076527	9.430	ppbv	99
59) m/p-Xylene	13.16	91	5171523m	18.446	ppbv	
60) o-Xylene	13.86	91	2557654	9.351	ppbv	100
61) Styrene	13.70	104	1895460	9.898	ppbv	99
62) Isopropylbenzene	14.84	105	3545642	9.324	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	1756813	8.885	ppbv	100
64) n-propylbenzene	15.73	120	899895	9.352	ppbv	98
65) tert-Butylbenzene	16.92	119	3208056	9.371	ppbv	99
66) Benzyl Chloride	17.17	91	1739134	12.293	ppbv	100
67) sec-Butylbenzene	17.47	105	4555104	9.390	ppbv	100
69) p-Isopropyltoluene	17.83	119	3764391	9.498	ppbv	99
70) n-Butylbenzene	18.73	91	3994831	9.453	ppbv	100
71) 2-Chlorotoluene	15.63	91	2762976	9.334	ppbv	100
72) 4-Ethyltoluene	16.01	105	2961476	9.534	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	2827926	9.346	ppbv	97
74) 1,2,4-Trimethylbenzene	16.94	105	2944466	9.188	ppbv	98
75) 1,3-Dichlorobenzene	17.17	146	1693275	8.965	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	1689388	9.238	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	1652671	9.239	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	864721	8.062	ppbv	99
79) Naphthalene	22.42	128	2895654	9.376	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	1487051	10.155	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1447387	9.191	ppbv	100

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

