

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033202.D
 Acq On : 14 Feb 2019 17:01
 Operator : SY/AP
 Sample : VL0214ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0214ABS01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2019 1:00:55 PM

Quant Time: Feb 20 08:23:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 08:23:48 2019
 QLast Update : Wed Feb 20 06:00:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	774624	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1819845	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2216848m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1537123	8.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1519438	10.260	ppbv	100
3) Chlorodifluoromethane	3.01	51	924721	9.914	ppbv	98
4) Chloromethane	3.17	50	494943	10.050	ppbv	99
5) Vinyl Chloride	3.29	62	479957	9.333	ppbv	98
6) Bromomethane	3.52	94	286745	10.145	ppbv	99
7) Chloroethane	3.60	64	171690	10.212	ppbv	95
8) Dichlorotetrafluoroethane	3.22	85	1143884	9.876	ppbv	98
9) Propene	3.04	41	422673	9.381	ppbv	99
10) Heptane	8.25	43	1118821	8.208	ppbv	100
11) Trichlorofluoromethane	4.00	101	1254030	10.459	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	823331	9.908	ppbv	99
13) Ethanol	3.65	45	92466m	6.039	ppbv	
14) Bromoethene	3.79	108	361093	10.078	ppbv	100
15) Acetone	3.90	43	844299	9.674	ppbv	99
16) 1,3-Butadiene	3.36	39	404430	9.763	ppbv	97
17) tert-Butyl alcohol	4.36	59	171841	10.250	ppbv	98
18) 1,1-Dichloroethene	4.35	96	377083	10.138	ppbv	95
19) Isopropyl Alcohol	4.02	45	598267	10.108	ppbv	100
20) Methylene Chloride	4.41	84	325354	9.372	ppbv	95
21) Allyl Chloride	4.48	41	585547	10.161	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	377957	10.463	ppbv	99
23) Vinyl Acetate	5.16	43	1528355	10.105	ppbv	100
24) 1,1-Dichloroethane	5.09	63	1034998	9.674	ppbv	100
25) Ethyl Acetate	5.77	43	1802364	9.185	ppbv	100
26) Hexane	5.78	57	824949	8.955	ppbv	99
27) Carbon Disulfide	4.62	76	937947	11.115	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1199227	9.527	ppbv	99
29) Chloroform	5.85	83	1333516	9.446	ppbv	98
30) Cyclohexane	7.25	84	696540	8.150	ppbv	97
31) cis-1,2-Dichloroethene	5.64	61	870452	9.441	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	1329705	8.555	ppbv	99
34) 2-Butanone	5.33	43	1237829	10.723	ppbv	99
35) Carbon Tetrachloride	7.14	117	1363692	9.812	ppbv	95
36) Benzene	7.01	78	1743397	9.452	ppbv	98
37) 1,2-Dichloroethane	6.41	62	1056980	10.341	ppbv	99
38) Trichloroethene	7.97	130	654202	8.300	ppbv	95
39) 1,2-Dichloropropane	7.74	63	668527	9.178	ppbv	95
40) 1,4-Dioxane	7.96	88	240599	9.303	ppbv	98
41) Tetrahydrofuran	6.15	42	719066	10.077	ppbv	99
42) Bromodichloromethane	7.92	83	1526502	10.306	ppbv	100
43) Methyl Methacrylate	8.14	69	715278	9.660	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2956954	9.461	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	966708	11.790	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	1108147	10.576	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	724507	9.591	ppbv	96
48) Dibromochloromethane	10.45	129	1262518	10.609	ppbv	100
49) Bromoform	13.20	173	1153084	11.261	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1843346	9.958	ppbv	98
51) 2-Hexanone	10.27	43	1475130	10.107	ppbv #	98
52) Tetrachloroethene	11.38	164	637745	9.000	ppbv	98
53) Toluene	9.95	91	2099728	9.614	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1149831	9.700	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	919762	8.908	ppbv	96
57) Chlorobenzene	12.30	112	1592189	8.117	ppbv	95
58) Ethyl Benzene	12.87	91	2984388	8.201	ppbv	98
59) m/p-Xylene	13.12	91	4962007m	16.393	ppbv	
60) o-Xylene	13.85	91	2394817	8.114	ppbv	98
61) Styrene	13.69	104	1816330	8.152	ppbv	99
62) Isopropylbenzene	14.83	105	3375128	8.105	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1659621	7.203	ppbv	99
64) n-propylbenzene	15.73	120	844809	7.980	ppbv	96
65) tert-Butylbenzene	16.91	119	2914281	8.037	ppbv	98
66) Benzyl Chloride	17.16	91	1443727	11.141	ppbv	98
67) sec-Butylbenzene	17.46	105	4761113	9.044	ppbv	99
69) p-Isopropyltoluene	17.82	119	4018046	9.165	ppbv	99
70) n-Butylbenzene	18.72	91	4324170	9.142	ppbv	99
71) 2-Chlorotoluene	15.62	91	2598645	7.943	ppbv	99
72) 4-Ethyltoluene	16.00	105	2751327	8.082	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2664210	8.183	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	2664699	7.891	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	1538123	7.898	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1559856	8.084	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1784898	9.274	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	860126	8.988	ppbv	99
79) Naphthalene	22.42	128	3142221	8.659	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1176113	6.408	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1554236	8.432	ppbv	100

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

