

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070218\
 Data File : VL032178.D
 Acq On : 2 Jul 2018 12:26
 Operator : SY/AP
 Sample : VL0702ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0702ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/3/2018 5:17:05 PM

Quant Time: Jul 03 05:11:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1426552	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.39	114	3841096	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.35	117	3664626	10.00	ppbv	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.68	95	2704645	9.66	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	1312824	6.99	ppbv	97
3) Chlorodifluoromethane	3.07	51	1770546	10.16	ppbv	94
4) Chloromethane	3.23	50	941593	10.12	ppbv	99
5) Vinyl Chloride	3.35	62	915882	9.75	ppbv	99
6) Bromomethane	3.58	94	550476	10.28	ppbv	95
7) Chloroethane	3.67	64	339173	10.21	ppbv	91
8) Dichlorotetrafluoroethane	3.28	85	2018518	9.63	ppbv	91
9) Propene	3.09	41	764753	9.41	ppbv	99
10) Heptane	8.34	43	2156508	9.11	ppbv	98
11) Trichlorofluoromethane	4.07	101	2154124	10.60	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.63	101	1157611	8.55	ppbv	91
13) Ethanol	3.72	45	178692	7.26	ppbv	98
14) Bromoethene	3.86	108	665143	10.33	ppbv	99
15) Acetone	3.97	43	1729064	10.37	ppbv	99
16) 1,3-Butadiene	3.42	39	856867	10.76	ppbv	90
17) tert-Butyl alcohol	4.44	59	779396	7.34	ppbv	99
18) 1,1-Dichloroethene	4.42	96	550764	8.51	ppbv	97
19) Isopropyl Alcohol	4.10	45	1256162	9.06	ppbv #	41
20) Methylene Chloride	4.48	84	535552	8.79	ppbv	94
21) Allyl Chloride	4.55	41	942398	8.27	ppbv	96
22) trans-1,2-Dichloroethene	5.04	96	615237	9.09	ppbv	95
23) Vinyl Acetate	5.23	43	2591189	8.57	ppbv	98
24) 1,1-Dichloroethane	5.17	63	1778940	9.18	ppbv	99
25) Ethyl Acetate	5.85	43	3136789	9.09	ppbv	100
26) Hexane	5.86	57	1495663	9.41	ppbv	99
27) Carbon Disulfide	4.70	76	1384147	8.76	ppbv	99
28) Methyl tert-Butyl Ether	5.20	73	2433774	8.66	ppbv	98
29) Chloroform	5.94	83	2232969	9.65	ppbv	100
30) Cyclohexane	7.34	84	1460931	9.75	ppbv	99
31) cis-1,2-Dichloroethene	5.73	61	1507794	9.49	ppbv	93
32) 1,1,1-Trichloroethane	6.71	97	2532805	10.44	ppbv	99
34) 2-Butanone	5.41	43	2089449	8.57	ppbv	99
35) Carbon Tetrachloride	7.23	117	2468378	9.39	ppbv	95
36) Benzene	7.10	78	3539015	9.52	ppbv	98
37) 1,2-Dichloroethane	6.50	62	1759005	9.50	ppbv	97
38) Trichloroethene	8.06	130	1168678	8.05	ppbv	93
39) 1,2-Dichloropropane	7.84	63	1360933	9.28	ppbv	97
40) 1,4-Dioxane	8.05	88	449686	7.82	ppbv #	1
41) Tetrahydrofuran	6.24	42	1248052	8.54	ppbv	96
42) Bromodichloromethane	8.02	83	2755652	9.49	ppbv	97
43) Methyl Methacrylate	8.23	69	1480499	9.61	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.09	57	5768761	8.87	ppbv	100
45) t-1,3-Dichloropropene	9.51	75	1783991	9.34	ppbv	99
46) cis-1,3-Dichloropropene	8.94	75	2107521	9.24	ppbv	99
47) 1,1,2-Trichloroethane	9.72	97	1364876	8.96	ppbv	98
48) Dibromochloromethane	10.56	129	2109435	8.94	ppbv	99
49) Bromoform	13.31	173	1724053	8.73	ppbv	99
50) 4-Methyl-2-Pentanone	8.97	43	3532681	8.85	ppbv	99
51) 2-Hexanone	10.37	43	2999267	9.06	ppbv	100
52) Tetrachloroethene	11.48	164	1039097	7.69	ppbv	95
53) Toluene	10.05	91	3898000	8.67	ppbv	100
54) 1,2-Dibromoethane	10.87	107	2014821	8.79	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.38	131	1444490	8.83	ppbv	97
57) Chlorobenzene	12.41	112	2823864	8.90	ppbv	94
58) Ethyl Benzene	12.97	91	5321654	9.01	ppbv	96
59) m/p-Xylene	13.26	91	8469061m	17.89	ppbv	
60) o-Xylene	13.96	91	4137423	8.76	ppbv	96
61) Styrene	13.79	104	3425034	8.85	ppbv	95
62) Isopropylbenzene	14.93	105	5953171	8.20	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.94	83	2965242	8.11	ppbv	100
64) n-propylbenzene	15.83	120	1512742	8.05	ppbv	84
65) tert-Butylbenzene	17.01	119	5192570	8.14	ppbv	92
66) Benzyl Chloride	17.26	91	3111833	7.90	ppbv	94
67) sec-Butylbenzene	17.56	105	7827128	8.38	ppbv	98
69) p-Isopropyltoluene	17.92	119	6371459	8.50	ppbv	96
70) n-Butylbenzene	18.82	91	7078722	9.05	ppbv	98
71) 2-Chlorotoluene	15.72	91	4702857	8.41	ppbv	95
72) 4-Ethyltoluene	16.10	105	5043147	8.27	ppbv	97
73) 1,3,5-Trimethylbenzene	16.26	105	4818849	8.39	ppbv	94
74) 1,2,4-Trimethylbenzene	17.03	105	4988257	8.60	ppbv	97
75) 1,3-Dichlorobenzene	17.27	146	2773897	8.41	ppbv	98
76) 1,4-Dichlorobenzene	17.41	146	2829828	8.46	ppbv	97
77) 1,2-Dichlorobenzene	18.09	146	2805539	8.51	ppbv	97
78) Hexachloro-1,3-Butadiene	23.64	225	830980	7.24	ppbv	100
79) Naphthalene	22.53	128	4706307	8.93	ppbv	98
80) Naphthalene, 2-methyl-	25.19	142	2618456	13.77	ppbv	97
81) 1,2,4-Trichlorobenzene	22.26	180	2120826	8.91	ppbv	100

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

