

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032318.D
 Acq On : 27 Jul 2018 13:34
 Operator : SY/AP
 Sample : VL0727ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 11:43:05 AM

Quant Time: Jul 27 23:50:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1975655	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	4210980	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	5157130m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	4043109	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	1978285	8.30	ppbv	98
3) Chlorodifluoromethane	3.06	51	1844264	9.34	ppbv	100
4) Chloromethane	3.22	50	1147144	9.59	ppbv	100
5) Vinyl Chloride	3.34	62	1043758	9.60	ppbv	95
6) Bromomethane	3.57	94	568358	9.52	ppbv	97
7) Chloroethane	3.66	64	368374	9.53	ppbv	97
8) Dichlorotetrafluoroethane	3.27	85	2150772	8.94	ppbv	99
9) Propene	3.08	41	895541	10.08	ppbv	100
10) Heptane	8.33	43	3162500	10.14	ppbv	99
11) Trichlorofluoromethane	4.06	101	2043764	8.98	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.61	101	1418096	9.13	ppbv	100
13) Ethanol	3.70	45	227733	8.92	ppbv	98
14) Bromoethene	3.84	108	646398	9.48	ppbv	99
15) Acetone	3.96	43	1707510	9.17	ppbv	100
16) 1,3-Butadiene	3.41	39	911704	9.44	ppbv	99
17) tert-Butyl alcohol	4.42	59	535246	9.04	ppbv	100
18) 1,1-Dichloroethene	4.41	96	677466	9.40	ppbv	97
19) Isopropyl Alcohol	4.08	45	1269583	10.22	ppbv	99
20) Methylene Chloride	4.47	84	615548	8.22	ppbv	98
21) Allyl Chloride	4.54	41	1215133	9.57	ppbv	99
22) trans-1,2-Dichloroethene	5.03	96	689461	9.92	ppbv	97
23) Vinyl Acetate	5.22	43	3284064	9.83	ppbv	99
24) 1,1-Dichloroethane	5.16	63	2229524	9.30	ppbv	100
25) Ethyl Acetate	5.84	43	3874471	9.27	ppbv	100
26) Hexane	5.85	57	1783669	9.43	ppbv	98
27) Carbon Disulfide	4.68	76	1764445	10.26	ppbv	99
28) Methyl tert-Butyl Ether	5.18	73	2579971	10.09	ppbv	100
29) Chloroform	5.92	83	2553564	9.28	ppbv	100
30) Cyclohexane	7.32	84	1439014	9.75	ppbv	100
31) cis-1,2-Dichloroethene	5.71	61	1791859	10.22	ppbv	97
32) 1,1,1-Trichloroethane	6.69	97	2462774	10.12	ppbv	99
34) 2-Butanone	5.40	43	2693034	9.88	ppbv	99
35) Carbon Tetrachloride	7.21	117	2476912	10.36	ppbv	100
36) Benzene	7.09	78	3738330	10.07	ppbv	98
37) 1,2-Dichloroethane	6.49	62	2016370	9.40	ppbv	99
38) Trichloroethene	8.04	130	1486248	10.36	ppbv	96
39) 1,2-Dichloropropane	7.82	63	1735914	9.30	ppbv	98
40) 1,4-Dioxane	8.04	88	569091	10.38	ppbv #	1
41) Tetrahydrofuran	6.22	42	1568059	10.17	ppbv	100
42) Bromodichloromethane	8.00	83	3404100	9.80	ppbv	98
43) Methyl Methacrylate	8.22	69	1904334	10.69	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.07	57	7829336	9.73	ppbv	100
45) t-1,3-Dichloropropene	9.50	75	2272918	11.01	ppbv	96
46) cis-1,3-Dichloropropene	8.92	75	2728689	10.79	ppbv	99
47) 1,1,2-Trichloroethane	9.70	97	1696936	9.35	ppbv	98
48) Dibromochloromethane	10.54	129	2659317	9.94	ppbv	99
49) Bromoform	13.29	173	2172208	9.86	ppbv	99
50) 4-Methyl-2-Pentanone	8.95	43	4882964	10.15	ppbv	100
51) 2-Hexanone	10.36	43	3968081	10.83	ppbv	100
52) Tetrachloroethene	11.47	164	1290193	10.31	ppbv	98
53) Toluene	10.03	91	4860593	10.95	ppbv	100
54) 1,2-Dibromoethane	10.85	107	2564840	9.94	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.37	131	1917944	9.02	ppbv #	54
57) Chlorobenzene	12.39	112	3512880	8.76	ppbv	98
58) Ethyl Benzene	12.95	91	6468805	10.01	ppbv	99
59) m/p-Xylene	13.24	91	10384050m	18.86	ppbv	
60) o-Xylene	13.94	91	5070343	9.40	ppbv	99
61) Styrene	13.77	104	4024471	10.13	ppbv	100
62) Isopropylbenzene	14.92	105	7153526	9.33	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.93	83	3812720	8.68	ppbv	100
64) n-propylbenzene	15.81	120	1866492	9.35	ppbv	98
65) tert-Butylbenzene	17.00	119	5852254	9.03	ppbv	100
66) Benzyl Chloride	17.25	91	3709914	9.61	ppbv	100
67) sec-Butylbenzene	17.55	105	8783075	9.05	ppbv	100
69) p-Isopropyltoluene	17.90	119	6978327	9.29	ppbv	100
70) n-Butylbenzene	18.80	91	7708926	8.88	ppbv	99
71) 2-Chlorotoluene	15.71	91	5763121	9.58	ppbv	100
72) 4-Ethyltoluene	16.09	105	5933920	9.81	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	5636637	9.47	ppbv	98
74) 1,2,4-Trimethylbenzene	17.02	105	5516290	8.79	ppbv	92
75) 1,3-Dichlorobenzene	17.26	146	3068384	8.44	ppbv	99
76) 1,4-Dichlorobenzene	17.40	146	3135605	8.99	ppbv	100
77) 1,2-Dichlorobenzene	18.08	146	3054408	8.55	ppbv	100
78) Hexachloro-1,3-Butadiene	23.63	225	887126	7.06	ppbv	99
79) Naphthalene	22.52	128	5274234	9.68	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	2266539	10.52	ppbv	99
81) 1,2,4-Trichlorobenzene	22.24	180	2493394	9.16	ppbv	100

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

