

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032311.D
 Acq On : 27 Jul 2018 1:57
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 11:42:58 AM

Quant Time: Jul 27 05:47:31 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 05:29:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	2121994	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	4307441	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	5104599	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.66	95	4025198	9.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	248043	0.75	ppbv	99
3) Chlorodifluoromethane	3.06	51	218880	0.92	ppbv	100
4) Chloromethane	3.22	50	131733	0.94	ppbv	99
5) Vinyl Chloride	3.34	62	117833	0.89	ppbv	93
6) Bromomethane	3.57	94	63111	0.88	ppbv	99
7) Chloroethane	3.65	64	40875	0.87	ppbv	96
8) Dichlorotetrafluoroethane	3.27	85	273585	0.94	ppbv	100
9) Propene	3.08	41	93502	0.90	ppbv	97
10) Heptane	8.32	43	333954	1.00	ppbv	99
11) Trichlorofluoromethane	4.06	101	256484	0.92	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.62	101	177437	0.99	ppbv	99
13) Ethanol	3.71	45	33052m	1.11	ppbv	
14) Bromoethene	3.85	108	71775	0.89	ppbv #	96
15) Acetone	3.97	43	213903	0.98	ppbv	100
16) 1,3-Butadiene	3.41	39	100365	0.90	ppbv	98
17) tert-Butyl alcohol	4.43	59	66227	0.94	ppbv	95
18) 1,1-Dichloroethene	4.41	96	78027	0.93	ppbv	97
19) Isopropyl Alcohol	4.09	45	149622	0.99	ppbv #	92
20) Methylene Chloride	4.47	84	83863	0.97	ppbv	94
21) Allyl Chloride	4.54	41	137605	0.94	ppbv	96
22) trans-1,2-Dichloroethene	5.03	96	74496	0.86	ppbv	95
23) Vinyl Acetate	5.22	43	336558	0.85	ppbv #	97
24) 1,1-Dichloroethane	5.16	63	260963	0.91	ppbv	99
25) Ethyl Acetate	5.85	43	464116	0.96	ppbv	99
26) Hexane	5.85	57	211582	0.96	ppbv	98
27) Carbon Disulfide	4.69	76	174525	0.89	ppbv	98
28) Methyl tert-Butyl Ether	5.19	73	268085	0.83	ppbv	99
29) Chloroform	5.91	83	298575	0.92	ppbv	93
30) Cyclohexane	7.33	84	141365	0.77	ppbv #	60
31) cis-1,2-Dichloroethene	5.71	61	179001	0.84	ppbv	97
32) 1,1,1-Trichloroethane	6.69	97	279156	0.85	ppbv	99
34) 2-Butanone	5.40	43	289243	0.97	ppbv	99
35) Carbon Tetrachloride	7.21	117	271463	0.92	ppbv	95
36) Benzene	7.08	78	403869	0.95	ppbv	96
37) 1,2-Dichloroethane	6.49	62	233562	0.94	ppbv	99
38) Trichloroethene	8.04	130	162727	1.13	ppbv	97
39) 1,2-Dichloropropane	7.82	63	198468	1.13	ppbv	94
40) 1,4-Dioxane	8.06	88	69221m	1.34	ppbv	
41) Tetrahydrofuran	6.24	42	152358	0.89	ppbv	99
42) Bromodichloromethane	7.99	83	375854	1.14	ppbv #	98
43) Methyl Methacrylate	8.22	69	181464	1.04	ppbv	99

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44) 2,2,4-Trimethylpentane	8.07	57	890739	1.18	ppbv	97
45) t-1,3-Dichloropropene	9.49	75	191618	0.90	ppbv	96
46) cis-1,3-Dichloropropene	8.92	75	245337	0.93	ppbv	96
47) 1,1,2-Trichloroethane	9.70	97	194513	1.06	ppbv	95
48) Dibromochloromethane	10.53	129	278789	1.04	ppbv	98
49) Bromoform	13.29	173	230050	0.98	ppbv	99
50) 4-Methyl-2-Pentanone	8.96	43	509632	1.04	ppbv	97
51) 2-Hexanone	10.37	43	362835	0.94	ppbv #	97
52) Tetrachloroethene	11.46	164	145883	0.99	ppbv	96
53) Toluene	10.03	91	468090	0.91	ppbv	98
54) 1,2-Dibromoethane	10.85	107	268849	0.99	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.36	131	226169	1.00	ppbv #	1
57) Chlorobenzene	12.39	112	430309	1.03	ppbv	98
58) Ethyl Benzene	12.95	91	653205	0.92	ppbv	91
59) m/p-Xylene	13.23	91	1178313m	1.93	ppbv	
60) o-Xylene	13.94	91	566991	0.93	ppbv	98
61) Styrene	13.77	104	391855	0.88	ppbv	99
62) Isopropylbenzene	14.91	105	816388	0.95	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.92	83	487283	0.94	ppbv	100
64) n-propylbenzene	15.80	120	209238	0.95	ppbv	90
65) tert-Butylbenzene	16.99	119	710120	0.97	ppbv	99
66) Benzyl Chloride	17.24	91	353857	0.86	ppbv	98
67) sec-Butylbenzene	17.54	105	1060235	0.97	ppbv	98
69) p-Isopropyltoluene	17.90	119	811532m	0.95	ppbv	
70) n-Butylbenzene	18.80	91	938020	0.99	ppbv	96
71) 2-Chlorotoluene	15.70	91	623380	0.91	ppbv	99
72) 4-Ethyltoluene	16.08	105	614477	0.89	ppbv	98
73) 1,3,5-Trimethylbenzene	16.24	105	625564	0.92	ppbv	98
74) 1,2,4-Trimethylbenzene	17.01	105	688506	0.97	ppbv	99
75) 1,3-Dichlorobenzene	17.25	146	397043	1.00	ppbv	97
76) 1,4-Dichlorobenzene	17.39	146	366746	0.93	ppbv	97
77) 1,2-Dichlorobenzene	18.07	146	390625m	1.02	ppbv	
78) Hexachloro-1,3-Butadiene	23.62	225	150805m	1.19	ppbv	
79) Naphthalene	22.51	128	545558	0.90	ppbv	99
80) Naphthalene, 2-methyl-	25.19	142	168835	0.66	ppbv	96
81) 1,2,4-Trichlorobenzene	22.23	180	284505m	0.96	ppbv	

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

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