

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\
 Data File : VL032516.D
 Acq On : 24 Sep 2018 17:45
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

apatel
 9/26/2018 4:47:08 PM

Quant Time: Sep 24 18:37:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 24 2018
 QLast Update : Mon Sep 24 18:32:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1557002	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3650412	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3571844	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2739079	10.33	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.09	85	163736	0.822	ppbv	92
3) Chlorodifluoromethane	3.03	51	140626	0.998	ppbv	100
4) Chloromethane	3.19	50	82798	0.970	ppbv	97
5) Vinyl Chloride	3.31	62	77877	0.925	ppbv	92
6) Bromomethane	3.53	94	43749	0.989	ppbv	93
7) Chloroethane	3.62	64	27774	0.953	ppbv	96
8) Dichlorotetrafluoroethane	3.24	85	175054	0.990	ppbv	98
9) Propene	3.06	41	58625	1.031	ppbv	98
10) Heptane	8.28	43	209593	1.028	ppbv	97
11) Trichlorofluoromethane	4.02	101	185462	1.033	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.57	101	152872	1.256	ppbv	98
13) Ethanol	3.68	45	18246	1.030	ppbv	80
14) Bromoethene	3.81	108	51600	1.001	ppbv #	97
15) Acetone	3.93	43	150504	1.073	ppbv	99
16) 1,3-Butadiene	3.38	39	64488	0.977	ppbv	89
17) tert-Butyl alcohol	4.40	59	20480m	0.949	ppbv	
18) 1,1-Dichloroethene	4.38	96	69396	1.248	ppbv	90
19) Isopropyl Alcohol	4.05	45	106208	1.155	ppbv #	95
20) Methylene Chloride	4.43	84	75491	1.412	ppbv	97
21) Allyl Chloride	4.50	41	113767	1.222	ppbv	96
22) trans-1,2-Dichloroethene	4.98	96	64302	1.066	ppbv	94
23) Vinyl Acetate	5.18	43	251301	1.081	ppbv #	97
24) 1,1-Dichloroethane	5.12	63	211353	1.104	ppbv	98
25) Ethyl Acetate	5.80	43	340502	1.028	ppbv	99
26) Hexane	5.80	57	152406	1.028	ppbv	94
27) Carbon Disulfide	4.64	76	164426	1.201	ppbv #	88
28) Methyl tert-Butyl Ether	5.15	73	193531	1.063	ppbv	96
29) Chloroform	5.87	83	242701	1.074	ppbv	91
30) Cyclohexane	7.27	84	123633m	1.139	ppbv	
31) cis-1,2-Dichloroethene	5.67	61	140073m	1.043	ppbv	
32) 1,1,1-Trichloroethane	6.65	97	247554	1.175	ppbv	98
34) 2-Butanone	5.36	43	220639	0.910	ppbv	99
35) Carbon Tetrachloride	7.16	117	249918	1.019	ppbv	94
36) Benzene	7.03	78	304618	0.981	ppbv	97
37) 1,2-Dichloroethane	6.44	62	186411	0.979	ppbv	99
38) Trichloroethene	7.99	130	112719	0.955	ppbv	98
39) 1,2-Dichloropropane	7.77	63	134006	1.008	ppbv	99
40) 1,4-Dioxane	8.01	88	45585m	1.143	ppbv	
41) Tetrahydrofuran	6.19	42	109517	0.830	ppbv	99
42) Bromodichloromethane	7.95	83	270339	1.030	ppbv	97
43) Methyl Methacrylate	8.17	69	114653	0.870	ppbv	99

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44) 2,2,4-Trimethylpentane	8.02	57	597033	0.994	ppbv	98
45) t-1,3-Dichloropropene	9.44	75	134590	0.954	ppbv #	87
46) cis-1,3-Dichloropropene	8.87	75	160770	0.892	ppbv	93
47) 1,1,2-Trichloroethane	9.65	97	151879m	1.075	ppbv	
48) Dibromochloromethane	10.48	129	230440	1.177	ppbv	100
49) Bromoform	13.24	173	175102m	1.029	ppbv	
50) 4-Methyl-2-Pentanone	8.91	43	340488	0.932	ppbv	97
51) 2-Hexanone	10.32	43	269228	1.144	ppbv #	93
52) Tetrachloroethene	11.40	164	99115	1.029	ppbv	93
53) Toluene	9.98	91	336600	1.037	ppbv	100
54) 1,2-Dibromoethane	10.79	107	207291	1.093	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.31	131	175696	1.091	ppbv #	1
57) Chlorobenzene	12.34	112	310868m	1.089	ppbv	
58) Ethyl Benzene	12.89	91	432593	1.012	ppbv	97
59) m/p-Xylene	13.18	91	810413m	2.127	ppbv	
60) o-Xylene	13.88	91	402249	1.075	ppbv	99
61) Styrene	13.72	104	230618	0.952	ppbv	99
62) Isopropylbenzene	14.86	105	551614	1.048	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.87	83	351260	1.050	ppbv	99
64) n-propylbenzene	15.75	120	140789	1.023	ppbv	83
65) tert-Butylbenzene	16.94	119	487186	1.074	ppbv	96
66) Benzyl Chloride	17.19	91	250514	0.992	ppbv	100
67) sec-Butylbenzene	17.49	105	737691	1.082	ppbv	97
69) p-Isopropyltoluene	17.85	119	543904	1.029	ppbv	97
70) n-Butylbenzene	18.74	91	596076	0.995	ppbv	97
71) 2-Chlorotoluene	15.65	91	413665	1.029	ppbv	98
72) 4-Ethyltoluene	16.03	105	404308	0.989	ppbv	97
73) 1,3,5-Trimethylbenzene	16.19	105	404981	0.989	ppbv	92
74) 1,2,4-Trimethylbenzene	16.96	105	449862	1.005	ppbv #	91
75) 1,3-Dichlorobenzene	17.19	146	287263	1.082	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	249140	1.011	ppbv	96
77) 1,2-Dichlorobenzene	18.02	146	266049	1.038	ppbv	100
78) Hexachloro-1,3-Butadiene	23.58	225	103346m	1.079	ppbv	
79) Naphthalene	22.45	128	256888m	0.706	ppbv	
80) Naphthalene, 2-methyl-	25.14	142	17631	0.182	ppbv	90
81) 1,2,4-Trichlorobenzene	22.18	180	144336m	0.787	ppbv	

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

