

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062918\
 Data File : VL032152.D
 Acq On : 29 Jun 2018 23:11
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVV062918

Manual Integrations
 APPROVED

MMDadoda
 7/3/2018 5:16:30 PM

Quant Time: Jul 03 14:27:33 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	1575766	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.39	114	4296003	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.35	117	3697320m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.68	95	3060160	10.83	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.14	85	1880701	9.06	ppbv	100
3) Chlorodifluoromethane	3.07	51	2000817	10.39	ppbv	96
4) Chloromethane	3.23	50	1038685	10.11	ppbv	100
5) Vinyl Chloride	3.35	62	1015114	9.78	ppbv	100
6) Bromomethane	3.58	94	603553	10.21	ppbv	97
7) Chloroethane	3.67	64	366318	9.98	ppbv	97
8) Dichlorotetrafluoroethane	3.28	85	2213561	9.56	ppbv	95
9) Propene	3.09	41	847929	9.45	ppbv	99
10) Heptane	8.34	43	2498342	9.55	ppbv	99
11) Trichlorofluoromethane	4.07	101	2117438	9.43	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.63	101	1401080	9.37	ppbv	95
13) Ethanol	3.72	45	163893	6.02	ppbv	99
14) Bromoethene	3.86	108	703100	9.88	ppbv	99
15) Acetone	3.97	43	1745249	9.47	ppbv	100
16) 1,3-Butadiene	3.42	39	866040	9.85	ppbv	96
17) tert-Butyl alcohol	4.43	59	480098	4.09	ppbv	100
18) 1,1-Dichloroethene	4.43	96	686978	9.61	ppbv	98
19) Isopropyl Alcohol	4.09	45	1183406	7.73	ppbv #	40
20) Methylene Chloride	4.48	84	615162	9.14	ppbv	95
21) Allyl Chloride	4.55	41	1221127	9.71	ppbv	97
22) trans-1,2-Dichloroethene	5.04	96	736995	9.86	ppbv	98
23) Vinyl Acetate	5.24	43	3129080	9.36	ppbv	99
24) 1,1-Dichloroethane	5.17	63	2055222	9.60	ppbv	99
25) Ethyl Acetate	5.86	43	3450043	9.05	ppbv	99
26) Hexane	5.87	57	1596149	9.09	ppbv	97
27) Carbon Disulfide	4.70	76	1708640	9.79	ppbv	99
28) Methyl tert-Butyl Ether	5.20	73	2737594	8.82	ppbv	99
29) Chloroform	5.94	83	2410765	9.43	ppbv	100
30) Cyclohexane	7.34	84	1618884	9.78	ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	1717444	9.79	ppbv	95
32) 1,1,1-Trichloroethane	6.71	97	2642882	9.87	ppbv	99
34) 2-Butanone	5.41	43	2429735	8.91	ppbv	100
35) Carbon Tetrachloride	7.23	117	2721455	9.25	ppbv	97
36) Benzene	7.10	78	3947885	9.49	ppbv	99
37) 1,2-Dichloroethane	6.50	62	2044513	9.87	ppbv	98
38) Trichloroethene	8.06	130	1332871	8.21	ppbv	95
39) 1,2-Dichloropropane	7.84	63	1486131	9.06	ppbv	97
40) 1,4-Dioxane	8.05	88	497392	7.73	ppbv #	1
41) Tetrahydrofuran	6.23	42	1375371	8.41	ppbv	98
42) Bromodichloromethane	8.02	83	2992764	9.22	ppbv	98
43) Methyl Methacrylate	8.23	69	1577896	9.16	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	8.09	57	6430377	8.84	ppbv	99
45) t-1,3-Dichloropropene	9.52	75	2117577	9.92	ppbv	100
46) cis-1,3-Dichloropropene	8.94	75	2466920	9.67	ppbv	100
47) 1,1,2-Trichloroethane	9.72	97	1522443	8.93	ppbv	98
48) Dibromochloromethane	10.56	129	2365488	8.96	ppbv	100
49) Bromoform	13.31	173	1791459	8.11	ppbv	100
50) 4-Methyl-2-Pentanone	8.97	43	4010582	8.98	ppbv	100
51) 2-Hexanone	10.38	43	3151591	8.51	ppbv #	100
52) Tetrachloroethene	11.48	164	1175403	7.77	ppbv	96
53) Toluene	10.05	91	4395986	8.75	ppbv	99
54) 1,2-Dibromoethane	10.87	107	2235828	8.73	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.39	131	1570776	9.52	ppbv	99
57) Chlorobenzene	12.41	112	3031180	9.47	ppbv	99
58) Ethyl Benzene	12.97	91	5724526	9.61	ppbv	96
59) m/p-Xylene	13.26	91	8918166m	18.67	ppbv	
60) o-Xylene	13.96	91	4414208	9.27	ppbv	97
61) Styrene	13.79	104	3566189	9.13	ppbv	96
62) Isopropylbenzene	14.93	105	6257366	8.54	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.94	83	2897737	7.86	ppbv	100
64) n-propylbenzene	15.83	120	1619054	8.54	ppbv	90
65) tert-Butylbenzene	17.02	119	5022046	7.80	ppbv	95
66) Benzyl Chloride	17.26	91	3237908	8.15	ppbv	96
67) sec-Butylbenzene	17.57	105	7279650	7.72	ppbv	98
69) p-Isopropyltoluene	17.92	119	5767926	7.63	ppbv	97
70) n-Butylbenzene	18.82	91	5932031	7.51	ppbv	99
71) 2-Chlorotoluene	15.72	91	4814944	8.54	ppbv	95
72) 4-Ethyltoluene	16.11	105	5250806	8.53	ppbv	98
73) 1,3,5-Trimethylbenzene	16.26	105	4913988	8.48	ppbv	97
74) 1,2,4-Trimethylbenzene	17.03	105	4656778	7.96	ppbv	94
75) 1,3-Dichlorobenzene	17.27	146	2543006	7.64	ppbv	97
76) 1,4-Dichlorobenzene	17.41	146	2557315	7.58	ppbv	98
77) 1,2-Dichlorobenzene	18.10	146	2413540	7.26	ppbv	97
78) Hexachloro-1,3-Butadiene	23.64	225	607519	5.25	ppbv	99
79) Naphthalene	22.53	128	3525924	6.63	ppbv	99
80) Naphthalene, 2-methyl-	25.19	142	2299861	11.98	ppbv	97
81) 1,2,4-Trichlorobenzene	22.26	180	1684181	7.02	ppbv	99

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

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