

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032316.D
 Acq On : 27 Jul 2018 11:18
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL072718

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 11:43:04 AM

Quant Time: Jul 27 23:23:12 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	5.83	49	1937508	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	4255887	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	5259838m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3995677	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	1801539	7.71	ppbv	99
3) Chlorodifluoromethane	3.06	51	1850530	9.55	ppbv	100
4) Chloromethane	3.22	50	1135732	9.68	ppbv	96
5) Vinyl Chloride	3.34	62	1039023	9.74	ppbv	100
6) Bromomethane	3.57	94	575640	9.83	ppbv	92
7) Chloroethane	3.65	64	386641	10.20	ppbv	98
8) Dichlorotetrafluoroethane	3.27	85	2089761	8.85	ppbv	100
9) Propene	3.08	41	928480	10.66	ppbv	98
10) Heptane	8.32	43	3128991	10.23	ppbv	99
11) Trichlorofluoromethane	4.06	101	2056333	9.21	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.61	101	1435439	9.42	ppbv	100
13) Ethanol	3.70	45	254114	10.15	ppbv	98
14) Bromoethene	3.84	108	676366	10.11	ppbv	98
15) Acetone	3.96	43	1745336	9.56	ppbv	100
16) 1,3-Butadiene	3.41	39	869950	9.19	ppbv	100
17) tert-Butyl alcohol	4.42	59	553880	9.54	ppbv	99
18) 1,1-Dichloroethene	4.41	96	674430	9.54	ppbv	96
19) Isopropyl Alcohol	4.08	45	1359609	11.16	ppbv #	99
20) Methylene Chloride	4.47	84	619369	8.44	ppbv	98
21) Allyl Chloride	4.54	41	1255942	10.08	ppbv	99
22) trans-1,2-Dichloroethene	5.03	96	705882	10.35	ppbv	99
23) Vinyl Acetate	5.22	43	3359624	10.26	ppbv	99
24) 1,1-Dichloroethane	5.16	63	2197310	9.35	ppbv	99
25) Ethyl Acetate	5.84	43	3809504	9.30	ppbv	100
26) Hexane	5.85	57	1754474	9.46	ppbv	98
27) Carbon Disulfide	4.68	76	1753394	10.40	ppbv	98
28) Methyl tert-Butyl Ether	5.18	73	2631266	10.49	ppbv	100
29) Chloroform	5.92	83	2486340	9.22	ppbv	99
30) Cyclohexane	7.32	84	1510688	10.44	ppbv	100
31) cis-1,2-Dichloroethene	5.71	61	1784123	10.38	ppbv	98
32) 1,1,1-Trichloroethane	6.69	97	2393584	10.03	ppbv	100
34) 2-Butanone	5.40	43	2726728	9.90	ppbv	99
35) Carbon Tetrachloride	7.21	117	2449100	10.13	ppbv	98
36) Benzene	7.08	78	3744593	9.98	ppbv	99
37) 1,2-Dichloroethane	6.49	62	1908214	8.80	ppbv	99
38) Trichloroethene	8.04	130	1464478	10.10	ppbv	96
39) 1,2-Dichloropropane	7.82	63	1454592	7.71	ppbv	98
40) 1,4-Dioxane	8.04	88	604975	10.92	ppbv	87
41) Tetrahydrofuran	6.22	42	1687817	10.83	ppbv	100
42) Bromodichloromethane	8.00	83	3414558	9.73	ppbv	99
43) Methyl Methacrylate	8.22	69	1898478	10.54	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.07	57	7795128	9.58	ppbv	100
45) t-1,3-Dichloropropene	9.50	75	2339820	11.21	ppbv	99
46) cis-1,3-Dichloropropene	8.92	75	2772299	10.84	ppbv	96
47) 1,1,2-Trichloroethane	9.70	97	1697483	9.25	ppbv	98
48) Dibromochloromethane	10.54	129	2189761	8.10	ppbv	100
49) Bromoform	13.29	173	2153133	9.67	ppbv	99
50) 4-Methyl-2-Pentanone	8.95	43	4877529	10.03	ppbv	100
51) 2-Hexanone	10.35	43	4024175	10.86	ppbv #	99
52) Tetrachloroethene	11.46	164	1269796	10.04	ppbv	98
53) Toluene	10.03	91	4864441	10.85	ppbv	100
54) 1,2-Dibromoethane	10.85	107	2528017	9.70	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.37	131	1867353	8.61	ppbv #	54
57) Chlorobenzene	12.39	112	3410345	8.34	ppbv	96
58) Ethyl Benzene	12.95	91	6451861	9.78	ppbv	97
59) m/p-Xylene	13.23	91	10224299m	18.21	ppbv	
60) o-Xylene	13.94	91	4979435	9.05	ppbv	99
61) Styrene	13.77	104	3996432	9.86	ppbv	100
62) Isopropylbenzene	14.91	105	7114801	9.10	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.92	83	3719497	8.30	ppbv	99
64) n-propylbenzene	15.81	120	1841951	9.05	ppbv	97
65) tert-Butylbenzene	17.00	119	5774875	8.74	ppbv	100
66) Benzyl Chloride	17.24	91	3719609	9.45	ppbv	99
67) sec-Butylbenzene	17.55	105	8683226	8.78	ppbv	100
69) p-Isopropyltoluene	17.90	119	6892179	8.99	ppbv	100
70) n-Butylbenzene	18.80	91	7673981	8.67	ppbv	99
71) 2-Chlorotoluene	15.71	91	5676761	9.25	ppbv	100
72) 4-Ethyltoluene	16.09	105	5871529	9.52	ppbv	100
73) 1,3,5-Trimethylbenzene	16.24	105	5542970	9.13	ppbv	100
74) 1,2,4-Trimethylbenzene	17.02	105	5411927	8.45	ppbv	95
75) 1,3-Dichlorobenzene	17.25	146	3017278	8.14	ppbv	100
76) 1,4-Dichlorobenzene	17.39	146	3060640	8.60	ppbv	99
77) 1,2-Dichlorobenzene	18.08	146	2999229	8.23	ppbv	100
78) Hexachloro-1,3-Butadiene	23.63	225	1817627	14.19	ppbv	100
79) Naphthalene	22.51	128	5354300	9.64	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	2675784	12.17	ppbv	99
81) 1,2,4-Trichlorobenzene	22.24	180	2524052	9.09	ppbv	99

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

