

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101818\
 Data File : VL032659.D
 Acq On : 18 Oct 2018 19:58
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 12:04:50 PM

Quant Time: Oct 18 20:29:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 18 2018
 QLast Update : Thu Oct 18 11:41:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1605920	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.32	114	4253675	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	4325221	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	3212894	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.09	85	1907821	12.045	ppbv	100
3) Chlorodifluoromethane	3.02	51	1780710	13.252	ppbv	99
4) Chloromethane	3.18	50	1044920	14.246	ppbv	100
5) Vinyl Chloride	3.30	62	1050605	14.216	ppbv	99
6) Bromomethane	3.53	94	664945	14.245	ppbv	96
7) Chloroethane	3.62	64	396895	13.720	ppbv	99
8) Dichlorotetrafluoroethane	3.23	85	2384028	13.169	ppbv	91
9) Propene	3.05	41	817140	16.588	ppbv	100
10) Heptane	8.26	43	3191893	17.303	ppbv	99
11) Trichlorofluoromethane	4.02	101	2561720	12.418	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.57	101	2418798	16.014	ppbv	92
13) Ethanol	3.66	45	199771	13.106	ppbv	97
14) Bromoethene	3.80	108	823402	14.900	ppbv	99
15) Acetone	3.91	43	1708235	11.953	ppbv	100
16) 1,3-Butadiene	3.37	39	852960	16.119	ppbv	82
17) tert-Butyl alcohol	4.37	59	542425	41.588	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	976578	14.337	ppbv	96
19) Isopropyl Alcohol	4.04	45	1213980	12.028	ppbv #	98
20) Methylene Chloride	4.42	84	989507	15.456	ppbv	95
21) Allyl Chloride	4.49	41	1871335	17.448	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	1156235	14.693	ppbv	92
23) Vinyl Acetate	5.17	43	4122171	18.131	ppbv	99
24) 1,1-Dichloroethane	5.11	63	2927918	13.891	ppbv	98
25) Ethyl Acetate	5.79	43	4691698	13.874	ppbv	100
26) Hexane	5.80	57	2223075	14.595	ppbv	99
27) Carbon Disulfide	4.63	76	2873612	15.612	ppbv	99
28) Methyl tert-Butyl Ether	5.13	73	3564686	18.623	ppbv	99
29) Chloroform	5.87	83	3505003	13.129	ppbv	100
30) Cyclohexane	7.27	84	2118315	17.635	ppbv	97
31) cis-1,2-Dichloroethene	5.66	61	2329440	15.920	ppbv	98
32) 1,1,1-Trichloroethane	6.64	97	3659578	13.741	ppbv	99
34) 2-Butanone	5.35	43	3175985	13.452	ppbv	100
35) Carbon Tetrachloride	7.16	117	3979526	12.072	ppbv	99
36) Benzene	7.03	78	4974802	14.429	ppbv	100
37) 1,2-Dichloroethane	6.43	62	2846841	12.039	ppbv	97
38) Trichloroethene	7.98	130	1913543	14.761	ppbv	98
39) 1,2-Dichloropropane	7.76	63	1919847	13.688	ppbv	99
40) 1,4-Dioxane	7.98	88	652473	13.465	ppbv #	99
41) Tetrahydrofuran	6.16	42	2016937	16.102	ppbv	99
42) Bromodichloromethane	7.94	83	4063822	12.607	ppbv	98
43) Methyl Methacrylate	8.16	69	2003683	14.988	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	8208411	13.429	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	2980826	17.053	ppbv	99
46) cis-1,3-Dichloropropene	8.86	75	3131311	15.735	ppbv	99
47) 1,1,2-Trichloroethane	9.64	97	2247290	13.408	ppbv	100
48) Dibromochloromethane	10.48	129	3875905	13.615	ppbv	100
49) Bromoform	13.23	173	2996071	13.928	ppbv	99
50) 4-Methyl-2-Pentanone	8.89	43	4888081	14.067	ppbv	100
51) 2-Hexanone	10.29	43	4139026	15.148	ppbv #	99
52) Tetrachloroethene	11.39	164	1840837	16.218	ppbv	96
53) Toluene	9.97	91	6263394	15.934	ppbv	100
54) 1,2-Dibromoethane	10.79	107	3176755	13.236	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.30	131	2488020	12.527	ppbv #	71
57) Chlorobenzene	12.33	112	4250313	12.921	ppbv	95
58) Ethyl Benzene	12.89	91	7633792	15.716	ppbv	97
59) m/p-Xylene	13.17	91	12639949m	29.151	ppbv	
60) o-Xylene	13.88	91	6030256	13.957	ppbv	99
61) Styrene	13.71	104	4759401	18.176	ppbv	97
62) Isopropylbenzene	14.85	105	8483779	13.783	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.86	83	4212783	11.048	ppbv	99
64) n-propylbenzene	15.75	120	2229257	14.292	ppbv	89
65) tert-Butylbenzene	16.93	119	7221049	13.826	ppbv	95
66) Benzyl Chloride	17.18	91	4423604	15.022	ppbv	98
67) sec-Butylbenzene	17.48	105	10277831	13.075	ppbv	98
69) p-Isopropyltoluene	17.84	119	8428309	14.166	ppbv	98
70) n-Butylbenzene	18.74	91	8612259	13.139	ppbv	98
71) 2-Chlorotoluene	15.64	91	6390241	14.044	ppbv	97
72) 4-Ethyltoluene	16.03	105	6951575	14.883	ppbv	99
73) 1,3,5-Trimethylbenzene	16.18	105	6578265	14.160	ppbv	96
74) 1,2,4-Trimethylbenzene	16.95	105	6498031	12.705	ppbv	97
75) 1,3-Dichlorobenzene	17.19	146	3675403	12.364	ppbv	98
76) 1,4-Dichlorobenzene	17.33	146	3701896	13.667	ppbv	99
77) 1,2-Dichlorobenzene	18.01	146	3591014	12.567	ppbv	98
78) Hexachloro-1,3-Butadiene	23.57	225	1455483	9.101	ppbv	99
79) Naphthalene	22.43	128	5307533	15.260	ppbv	99
80) Naphthalene, 2-methyl-	25.13	142	1971264	29.186	ppbv	100
81) 1,2,4-Trichlorobenzene	22.16	180	2582630	14.958	ppbv	99

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

