

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102418\
 Data File : VL032686.D
 Acq On : 24 Oct 2018 14:02
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 3:39:32 PM

Quant Time: Oct 25 05:14:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 19 2018
 QLast Update : Fri Oct 19 01:25:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1506534	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3831087	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	3697315m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2870609	10.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	1908907	12.436	ppbv	98
3) Chlorodifluoromethane	3.03	51	1133560	9.621	ppbv	99
4) Chloromethane	3.18	50	654672	9.943	ppbv	98
5) Vinyl Chloride	3.30	62	658015	9.227	ppbv	97
6) Bromomethane	3.53	94	426722	9.597	ppbv	94
7) Chloroethane	3.61	64	258277	9.835	ppbv	98
8) Dichlorotetrafluoroethane	3.23	85	1539042	9.513	ppbv	92
9) Propene	3.05	41	514669	10.615	ppbv	100
10) Heptane	8.26	43	1997141	10.689	ppbv	99
11) Trichlorofluoromethane	4.02	101	1710944	8.534	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1558748	9.349	ppbv	92
13) Ethanol	3.66	45	127456	9.197	ppbv	98
14) Bromoethene	3.80	108	545357	9.678	ppbv	100
15) Acetone	3.91	43	1142028	8.209	ppbv	99
16) 1,3-Butadiene	3.37	39	563128	11.004	ppbv	80
17) tert-Butyl alcohol	4.37	59	453996	11.096	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	788181	10.760	ppbv	95
19) Isopropyl Alcohol	4.04	45	816847	8.245	ppbv #	98
20) Methylene Chloride	4.42	84	672777	9.527	ppbv	97
21) Allyl Chloride	4.49	41	1269289	11.112	ppbv	100
22) trans-1,2-Dichloroethene	4.98	96	750919	9.995	ppbv	88
23) Vinyl Acetate	5.17	43	2561540	10.391	ppbv	99
24) 1,1-Dichloroethane	5.11	63	1869448	9.660	ppbv	99
25) Ethyl Acetate	5.79	43	3161166	9.872	ppbv	100
26) Hexane	5.80	57	1502290	9.915	ppbv	98
27) Carbon Disulfide	4.63	76	1715150	9.332	ppbv	100
28) Methyl tert-Butyl Ether	5.13	73	2313635	10.625	ppbv	100
29) Chloroform	5.87	83	2409409	9.956	ppbv	100
30) Cyclohexane	7.26	84	1335124	11.133	ppbv	97
31) cis-1,2-Dichloroethene	5.66	61	1480366	10.538	ppbv	99
32) 1,1,1-Trichloroethane	6.64	97	2391767	9.725	ppbv	98
34) 2-Butanone	5.34	43	2101279	10.232	ppbv	100
35) Carbon Tetrachloride	7.15	117	2580855	9.492	ppbv	100
36) Benzene	7.02	78	3195975	10.273	ppbv	99
37) 1,2-Dichloroethane	6.43	62	1816258	9.518	ppbv	97
38) Trichloroethene	7.98	130	1221691	10.608	ppbv	97
39) 1,2-Dichloropropane	7.75	63	1208709	10.061	ppbv	98
40) 1,4-Dioxane	7.98	88	426001	10.383	ppbv #	99
41) Tetrahydrofuran	6.16	42	1265130	11.055	ppbv	99
42) Bromodichloromethane	7.94	83	2608031	9.755	ppbv	99
43) Methyl Methacrylate	8.16	69	1272514	11.161	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	5356444	10.086	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1811386	11.869	ppbv	99
46) cis-1,3-Dichloropropene	8.86	75	1992268	11.425	ppbv	99
47) 1,1,2-Trichloroethane	9.64	97	1421443	10.013	ppbv	98
48) Dibromochloromethane	10.47	129	2256782	9.538	ppbv	99
49) Bromoform	13.22	173	1943113	10.450	ppbv	100
50) 4-Methyl-2-Pentanone	8.89	43	3372143	11.083	ppbv	99
51) 2-Hexanone	10.29	43	2366455	10.463	ppbv #	98
52) Tetrachloroethene	11.39	164	1097955	10.123	ppbv	96
53) Toluene	9.97	91	3986403	11.178	ppbv	99
54) 1,2-Dibromoethane	10.78	107	1995823	10.344	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.30	131	1617903	10.007	ppbv	99
57) Chlorobenzene	12.32	112	2757732	10.142	ppbv	94
58) Ethyl Benzene	12.88	91	4907271	11.425	ppbv	99
59) m/p-Xylene	13.17	91	8169101m	21.357	ppbv	
60) o-Xylene	13.87	91	3925282	10.639	ppbv	99
61) Styrene	13.70	104	3042051	12.297	ppbv	98
62) Isopropylbenzene	14.85	105	5559642	10.647	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.86	83	2755672	9.532	ppbv	99
64) n-propylbenzene	15.74	120	1414472	10.899	ppbv	95
65) tert-Butylbenzene	16.93	119	4776219	10.740	ppbv	95
66) Benzyl Chloride	17.17	91	2822333	12.291	ppbv	99
67) sec-Butylbenzene	17.48	105	6747055	10.667	ppbv	99
69) p-Isopropyltoluene	17.84	119	5478389	10.930	ppbv	98
70) n-Butylbenzene	18.73	91	5621513	10.894	ppbv	99
71) 2-Chlorotoluene	15.64	91	4101871	11.053	ppbv	98
72) 4-Ethyltoluene	16.02	105	4504910	11.464	ppbv	99
73) 1,3,5-Trimethylbenzene	16.18	105	4249721	11.103	ppbv	99
74) 1,2,4-Trimethylbenzene	16.95	105	4313108	10.552	ppbv	93
75) 1,3-Dichlorobenzene	17.19	146	2387209	10.156	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	2334519	10.763	ppbv	98
77) 1,2-Dichlorobenzene	18.01	146	2300430	10.330	ppbv	98
78) Hexachloro-1,3-Butadiene	23.56	225	1410948	13.410	ppbv	100
79) Naphthalene	22.43	128	3653055	14.379	ppbv	99
80) Naphthalene,2-methyl-	25.13	142	1212932	19.633	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1823333	13.857	ppbv	99

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

