

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071318\
 Data File : VL032246.D
 Acq On : 13 Jul 2018 13:34
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

apatel
 7/16/2018 8:07:53 AM

Quant Time: Jul 13 15:19:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 13 2018
 QLast Update : Fri Jul 13 04:25:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1661148	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3949805	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	4788310m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3448007	9.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.00%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.13	85	1777452	7.432	ppbv	98
3) Chlorodifluoromethane	3.06	51	1812671	8.880	ppbv	100
4) Chloromethane	3.22	50	968307	8.339	ppbv	98
5) Vinyl Chloride	3.34	62	927002	8.103	ppbv	98
6) Bromomethane	3.57	94	517692	8.128	ppbv	100
7) Chloroethane	3.66	64	328558	8.339	ppbv	94
8) Dichlorotetrafluoroethane	3.27	85	1983037	7.549	ppbv	99
9) Propene	3.09	41	802519	9.222	ppbv	99
10) Heptane	8.33	43	2429290	9.830	ppbv	100
11) Trichlorofluoromethane	4.07	101	1998565	8.735	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1261658	8.634	ppbv	100
13) Ethanol	3.71	45	194492	7.743	ppbv	97
14) Bromoethene	3.85	108	612775	8.889	ppbv	100
15) Acetone	3.96	43	1505871	7.812	ppbv	100
16) 1,3-Butadiene	3.42	39	772295	7.929	ppbv	94
17) tert-Butyl alcohol	4.42	59	757039	8.411	ppbv	99
18) 1,1-Dichloroethene	4.42	96	612603	9.008	ppbv	94
19) Isopropyl Alcohol	4.09	45	1335075	10.548	ppbv	99
20) Methylene Chloride	4.48	84	548187	8.392	ppbv	97
21) Allyl Chloride	4.55	41	1089760	9.656	ppbv	100
22) trans-1,2-Dichloroethene	5.04	96	655354	10.124	ppbv	96
23) Vinyl Acetate	5.23	43	3127160	9.755	ppbv	99
24) 1,1-Dichloroethane	5.17	63	2077430	9.229	ppbv	99
25) Ethyl Acetate	5.85	43	3612514	9.470	ppbv	100
26) Hexane	5.86	57	1651012	9.488	ppbv	99
27) Carbon Disulfide	4.69	76	1542426	9.907	ppbv	100
28) Methyl tert-Butyl Ether	5.19	73	2713267	9.907	ppbv	99
29) Chloroform	5.93	83	2463827	9.171	ppbv	97
30) Cyclohexane	7.33	84	1537946	10.016	ppbv	100
31) cis-1,2-Dichloroethene	5.72	61	1751052	10.084	ppbv	98
32) 1,1,1-Trichloroethane	6.70	97	2543527	9.758	ppbv	100
34) 2-Butanone	5.40	43	2602113	9.669	ppbv	100
35) Carbon Tetrachloride	7.22	117	2620968	9.805	ppbv	100
36) Benzene	7.09	78	3739454	9.526	ppbv	99
37) 1,2-Dichloroethane	6.49	62	2124729	9.887	ppbv	100
38) Trichloroethene	8.05	130	1215158	9.025	ppbv	99
39) 1,2-Dichloropropane	7.83	63	1511314	9.688	ppbv	98
40) 1,4-Dioxane	8.04	88	520387	9.728	ppbv #	94
41) Tetrahydrofuran	6.23	42	1517026	10.073	ppbv	99
42) Bromodichloromethane	8.01	83	2931648	9.580	ppbv	98
43) Methyl Methacrylate	8.22	69	1540985	10.159	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6380467	9.451	ppbv	100
45) t-1,3-Dichloropropene	9.50	75	2301701	12.741	ppbv	97
46) cis-1,3-Dichloropropene	8.93	75	2597351	10.540	ppbv	98
47) 1,1,2-Trichloroethane	9.71	97	1383244	7.939	ppbv	96
48) Dibromochloromethane	10.55	129	2535121	9.780	ppbv	99
49) Bromoform	13.30	173	2044108	9.837	ppbv	100
50) 4-Methyl-2-Pentanone	8.96	43	4519345	9.707	ppbv	99
51) 2-Hexanone	10.36	43	3807096	9.791	ppbv	100
52) Tetrachloroethene	11.47	164	1203619	8.298	ppbv	99
53) Toluene	10.04	91	4108538	8.853	ppbv	99
54) 1,2-Dibromoethane	10.85	107	2345517	9.118	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.38	131	1764882	8.485	ppbv	100
57) Chlorobenzene	12.40	112	3277895	8.099	ppbv	98
58) Ethyl Benzene	12.96	91	6223751	8.926	ppbv	100
59) m/p-Xylene	13.25	91	9881438m	17.224	ppbv	
60) o-Xylene	13.95	91	4783477	8.450	ppbv	100
61) Styrene	13.78	104	3955243	9.324	ppbv	99
62) Isopropylbenzene	14.92	105	6728789	8.477	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.94	83	3564309	7.740	ppbv	99
64) n-propylbenzene	15.82	120	1734154	8.630	ppbv	96
65) tert-Butylbenzene	17.00	119	5516285	8.296	ppbv	100
66) Benzyl Chloride	17.25	91	3773393	11.214	ppbv	99
67) sec-Butylbenzene	17.55	105	8246469	8.488	ppbv	100
69) p-Isopropyltoluene	17.91	119	6620641	8.752	ppbv	100
70) n-Butylbenzene	18.81	91	7405212	8.862	ppbv	100
71) 2-Chlorotoluene	15.72	91	5463965	8.746	ppbv	99
72) 4-Ethyltoluene	16.10	105	5754753	9.060	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	5449388	9.226	ppbv	100
74) 1,2,4-Trimethylbenzene	17.03	105	5285714	8.752	ppbv	98
75) 1,3-Dichlorobenzene	17.27	146	2894705	8.034	ppbv	100
76) 1,4-Dichlorobenzene	17.41	146	2989006	8.471	ppbv	99
77) 1,2-Dichlorobenzene	18.09	146	2923216	8.164	ppbv	99
78) Hexachloro-1,3-Butadiene	23.63	225	894749	8.017	ppbv	99
79) Naphthalene	22.53	128	5156859	12.719	ppbv	99
80) Naphthalene,2-methyl-	25.19	142	2651742	20.472	ppbv	100
81) 1,2,4-Trichlorobenzene	22.25	180	2340938	11.538	ppbv	100

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

