

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071318\
 Data File : VL032245.D
 Acq On : 13 Jul 2018 12:37
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL071318

Manual Integrations
 APPROVED

apatel
 7/16/2018 8:07:50 AM

Quant Time: Jul 13 15:16:47 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	1589488	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3852079	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	4689435m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3429646	9.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.13	85	1855603	8.109	ppbv	99
3) Chlorodifluoromethane	3.06	51	1700527	8.706	ppbv	100
4) Chloromethane	3.22	50	928351	8.355	ppbv	98
5) Vinyl Chloride	3.34	62	966472	8.829	ppbv	100
6) Bromomethane	3.57	94	537058	8.812	ppbv	99
7) Chloroethane	3.66	64	341472	9.058	ppbv	98
8) Dichlorotetrafluoroethane	3.27	85	1904120	7.576	ppbv	99
9) Propene	3.09	41	730335	8.771	ppbv	100
10) Heptane	8.34	43	2335822	9.878	ppbv	99
11) Trichlorofluoromethane	4.07	101	2008623	9.175	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1263717	9.037	ppbv	99
13) Ethanol	3.71	45	186781	7.772	ppbv	97
14) Bromoethene	3.85	108	610948	9.262	ppbv	100
15) Acetone	3.96	43	1563496	8.477	ppbv	100
16) 1,3-Butadiene	3.42	39	797063	8.552	ppbv	93
17) tert-Butyl alcohol	4.42	59	756583	8.785	ppbv	99
18) 1,1-Dichloroethene	4.42	96	614694	9.446	ppbv	95
19) Isopropyl Alcohol	4.09	45	1273348	10.514	ppbv	100
20) Methylene Chloride	4.48	84	564192	9.026	ppbv	99
21) Allyl Chloride	4.55	41	1089771	10.092	ppbv	100
22) trans-1,2-Dichloroethene	5.04	96	660360	10.661	ppbv	95
23) Vinyl Acetate	5.23	43	3124921	10.187	ppbv	99
24) 1,1-Dichloroethane	5.17	63	2125893	9.870	ppbv	99
25) Ethyl Acetate	5.85	43	3499230	9.587	ppbv	100
26) Hexane	5.86	57	1601410	9.618	ppbv	99
27) Carbon Disulfide	4.69	76	1525181	10.238	ppbv	100
28) Methyl tert-Butyl Ether	5.19	73	2718955	10.375	ppbv	99
29) Chloroform	5.93	83	2397243	9.326	ppbv	98
30) Cyclohexane	7.33	84	1491653	10.152	ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	1671423	10.059	ppbv	97
32) 1,1,1-Trichloroethane	6.70	97	2611398	10.470	ppbv	100
34) 2-Butanone	5.40	43	2516224	9.587	ppbv	100
35) Carbon Tetrachloride	7.22	117	2554825	9.800	ppbv	99
36) Benzene	7.09	78	3718518	9.713	ppbv	99
37) 1,2-Dichloroethane	6.50	62	2122074	10.125	ppbv	100
38) Trichloroethene	8.05	130	1106917	8.430	ppbv	99
39) 1,2-Dichloropropane	7.83	63	1431513	9.409	ppbv	99
40) 1,4-Dioxane	8.04	88	450459	8.635	ppbv #	95
41) Tetrahydrofuran	6.23	42	1564405	10.651	ppbv	99
42) Bromodichloromethane	8.01	83	2797852	9.375	ppbv	97
43) Methyl Methacrylate	8.23	69	1431677	9.678	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	5788763	8.792	ppbv	99
45) t-1,3-Dichloropropene	9.51	75	1996605	11.332	ppbv	100
46) cis-1,3-Dichloropropene	8.93	75	2571560	10.701	ppbv	100
47) 1,1,2-Trichloroethane	9.71	97	1571623	9.249	ppbv	97
48) Dibromochloromethane	10.55	129	2435513	9.634	ppbv	100
49) Bromoform	13.30	173	2033920	10.036	ppbv	100
50) 4-Methyl-2-Pentanone	8.96	43	4416866	9.728	ppbv	100
51) 2-Hexanone	10.37	43	3551950	9.367	ppbv	100
52) Tetrachloroethene	11.47	164	1212239	8.570	ppbv	97
53) Toluene	10.04	91	4488233	9.916	ppbv	99
54) 1,2-Dibromoethane	10.86	107	2444831	9.746	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.38	131	1726060	8.473	ppbv	99
57) Chlorobenzene	12.40	112	3246948	8.192	ppbv	98
58) Ethyl Benzene	12.96	91	6118828	8.961	ppbv	98
59) m/p-Xylene	13.25	91	9746187m	17.347	ppbv	
60) o-Xylene	13.95	91	4733673	8.538	ppbv	100
61) Styrene	13.78	104	3894102	9.374	ppbv	99
62) Isopropylbenzene	14.93	105	6659389	8.567	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.94	83	3511094	7.785	ppbv	100
64) n-propylbenzene	15.82	120	1703906	8.658	ppbv	96
65) tert-Butylbenzene	17.01	119	5430265	8.339	ppbv	99
66) Benzyl Chloride	17.26	91	3704311	11.240	ppbv	99
67) sec-Butylbenzene	17.56	105	8190208	8.608	ppbv	99
69) p-Isopropyltoluene	17.91	119	6537953	8.825	ppbv	100
70) n-Butylbenzene	18.81	91	7344560	8.974	ppbv	99
71) 2-Chlorotoluene	15.72	91	5351931	8.748	ppbv	99
72) 4-Ethyltoluene	16.10	105	5675601	9.123	ppbv	99
73) 1,3,5-Trimethylbenzene	16.26	105	5367201	9.279	ppbv	98
74) 1,2,4-Trimethylbenzene	17.02	105	5222286	8.829	ppbv	99
75) 1,3-Dichlorobenzene	17.27	146	2875632	8.150	ppbv	99
76) 1,4-Dichlorobenzene	17.41	146	2947787	8.530	ppbv	99
77) 1,2-Dichlorobenzene	18.09	146	2885652	8.229	ppbv	100
78) Hexachloro-1,3-Butadiene	23.64	225	1700495	15.559	ppbv	100
79) Naphthalene	22.52	128	5062794	12.750	ppbv	98
80) Naphthalene,2-methyl-	25.19	142	2347903	18.508	ppbv	99
81) 1,2,4-Trichlorobenzene	22.25	180	2300192	11.576	ppbv	99

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

