

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032621\
 Data File : VL036504.D
 Acq On : 26 Mar 2021 5:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

apatel
 4/1/2021 8:23:46 AM

Quant Time: Mar 26 08:33:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 26 08:33:12 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1505209	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.20	114	3699962	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	3549916m	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2750219	9.72	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	2125434	8.657	ppbv	98
3) Chlorodifluoromethane	3.00	51	2503545	8.902	ppbv	99
4) Chloromethane	3.15	50	851830	8.575	ppbv	92
5) Vinyl Chloride	3.27	62	827093	8.098	ppbv	97
6) Bromomethane	3.48	94	489858	8.711	ppbv	99
7) Chloroethane	3.57	64	307663	8.766	ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	1991932	8.501	ppbv	99
9) Propene	3.02	41	786877	8.777	ppbv	98
10) Heptane	8.14	43	2047004	8.962	ppbv	99
11) Trichlorofluoromethane	3.96	101	2189024	8.749	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1429221	8.935	ppbv	97
13) Ethanol	3.62	45	88976m	8.334	ppbv	
14) Bromoethene	3.75	108	585549	8.805	ppbv	98
15) Acetone	3.86	43	1179551	7.962	ppbv	97
16) 1,3-Butadiene	3.34	39	911530	8.838	ppbv	98
17) tert-Butyl alcohol	4.31	59	1070145	8.298	ppbv	99
18) 1,1-Dichloroethene	4.30	96	620617	8.722	ppbv	100
19) Isopropyl Alcohol	3.98	45	598570	7.345	ppbv #	1
20) Methylene Chloride	4.36	84	559868	8.072	ppbv	96
21) Allyl Chloride	4.43	41	1011347	8.564	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	576283	8.736	ppbv	97
23) Vinyl Acetate	5.09	43	2229521	8.798	ppbv	98
24) 1,1-Dichloroethane	5.03	63	1639425	8.876	ppbv	98
25) Ethyl Acetate	5.69	43	2943133	8.356	ppbv	99
26) Hexane	5.70	57	1431074	8.756	ppbv	98
27) Carbon Disulfide	4.56	76	1562042	9.701	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1631983	8.467	ppbv	98
29) Chloroform	5.77	83	2246430	8.594	ppbv	98
30) Cyclohexane	7.15	84	1177391	8.882	ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	1423375	9.004	ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	2228674	8.460	ppbv	97
34) 2-Butanone	5.26	43	1472660	8.154	ppbv	100
35) Carbon Tetrachloride	7.04	117	2347610	8.261	ppbv	97
36) Benzene	6.91	78	2954440	8.658	ppbv	100
37) 1,2-Dichloroethane	6.33	62	1679012	8.360	ppbv	100
38) Trichloroethene	7.86	130	1050052	7.907	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1180302	8.527	ppbv	97
40) 1,4-Dioxane	7.85	88	226126	7.019	ppbv #	53
41) Tetrahydrofuran	6.07	42	647120	7.771	ppbv	98
42) Bromodichloromethane	7.81	83	2393669	8.762	ppbv	100
43) Methyl Methacrylate	8.03	69	1125791	9.825	ppbv	100

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44) 2,2,4-Trimethylpentane	7.89	57	5012571	8.346	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1008475	7.708	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	1315439	7.865	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	1169754	8.343	ppbv	97
48) Dibromochloromethane	10.33	129	1961768	9.179	ppbv	99
49) Bromoform	13.07	173	1600112	9.292	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2211190	8.461	ppbv	100
51) 2-Hexanone	10.16	43	1210839	9.181	ppbv #	99
52) Tetrachloroethene	11.25	164	1013635	8.067	ppbv	97
53) Toluene	9.83	91	3306404	9.099	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1692220	8.547	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1363353	8.491	ppbv	97
57) Chlorobenzene	12.17	112	2430848	8.048	ppbv	99
58) Ethyl Benzene	12.74	91	4483862	8.682	ppbv	100
59) m/p-Xylene	13.01	91	7535613m	16.728	ppbv	
60) o-Xylene	13.72	91	3544756	8.138	ppbv	99
61) Styrene	13.55	104	1954052	8.917	ppbv	100
62) Isopropylbenzene	14.69	105	4904322	8.361	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2508272	7.549	ppbv	100
64) n-propylbenzene	15.59	120	1282537	8.943	ppbv	99
65) tert-Butylbenzene	16.77	119	4247982m	8.352	ppbv	
66) Benzyl Chloride	17.01	91	432495	7.693	ppbv	98
67) sec-Butylbenzene	17.32	105	5939202	8.272	ppbv	100
69) p-Isopropyltoluene	17.68	119	4952948	8.834	ppbv	99
70) n-Butylbenzene	18.57	91	5097353	8.769	ppbv	100
71) 2-Chlorotoluene	15.48	91	3828078	8.710	ppbv	100
72) 4-Ethyltoluene	15.87	105	4177351	8.752	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3770354	8.464	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	3903334	8.188	ppbv	98
75) 1,3-Dichlorobenzene	17.02	146	2208826	8.232	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2151852	8.077	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2146842	8.512	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1658871	7.344	ppbv	99
79) Naphthalene	22.23	128	2479366	8.913	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	282064	5.142	ppbv	97
81) 1,2,4-Trichlorobenzene	21.96	180	1551717	9.035	ppbv	100

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

