

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041221\
 Data File : VL036785.D
 Acq On : 12 Apr 2021 9:26
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

apatel
 4/13/2021 10:42:15 AM

Quant Time: Apr 12 18:48:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 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	1560107	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	3899511	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	3201165m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2256041	8.84	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2269132	8.917	ppbv 97
3) Chlorodifluoromethane	2.99	51	2642900	9.067	ppbv 99
4) Chloromethane	3.14	50	981416	9.532	ppbv 97
5) Vinyl Chloride	3.26	62	941218	8.891	ppbv 100
6) Bromomethane	3.48	94	547835	9.399	ppbv 99
7) Chloroethane	3.56	64	336626	9.254	ppbv 97
8) Dichlorotetrafluoroethane	3.19	85	2264158	9.323	ppbv 100
9) Propene	3.02	41	841526	9.056	ppbv 99
10) Heptane	8.14	43	2234147	9.438	ppbv 98
11) Trichlorofluoromethane	3.96	101	2330435	8.987	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1529965	9.228	ppbv 98
13) Ethanol	3.61	45	110460	9.982	ppbv 100
14) Bromoethene	3.75	108	653873	9.486	ppbv 99
15) Acetone	3.86	43	1289538	8.398	ppbv 100
16) 1,3-Butadiene	3.33	39	960233	8.982	ppbv 97
17) tert-Butyl alcohol	4.30	59	1437191	10.752	ppbv 100
18) 1,1-Dichloroethene	4.30	96	676563	9.174	ppbv 95
19) Isopropyl Alcohol	3.98	45	823911	9.754	ppbv 99
20) Methylene Chloride	4.35	84	597799	8.315	ppbv 96
21) Allyl Chloride	4.42	41	1109106	9.061	ppbv 99
22) trans-1,2-Dichloroethene	4.90	96	622642	9.107	ppbv 92
23) Vinyl Acetate	5.09	43	2506517	9.543	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1767717	9.233	ppbv 99
25) Ethyl Acetate	5.69	43	3401879	9.319	ppbv 100
26) Hexane	5.70	57	1606045	9.480	ppbv 98
27) Carbon Disulfide	4.56	76	1671212	10.014	ppbv 97
28) Methyl tert-Butyl Ether	5.05	73	1886996	9.445	ppbv 98
29) Chloroform	5.77	83	2573306	9.498	ppbv 99
30) Cyclohexane	7.15	84	1348145	9.812	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1566556	9.561	ppbv 95
32) 1,1,1-Trichloroethane	6.53	97	2571771	9.419	ppbv 99
34) 2-Butanone	5.26	43	1683859	8.846	ppbv 98
35) Carbon Tetrachloride	7.03	117	2730757	9.117	ppbv 96
36) Benzene	6.91	78	3318741	9.228	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1916979	9.056	ppbv 99
38) Trichloroethene	7.85	130	1210306	8.647	ppbv 98
39) 1,2-Dichloropropane	7.63	63	1314322	9.009	ppbv 97
40) 1,4-Dioxane	7.85	88	322801	9.507	ppbv 86
41) Tetrahydrofuran	6.07	42	783191	8.924	ppbv 95
42) Bromodichloromethane	7.81	83	2719669	9.446	ppbv 99
43) Methyl Methacrylate	8.03	69	1204096	9.971	ppbv 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5641279	8.912	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1413749	10.252	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1756566	9.965	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1382194	9.354	ppbv	97
48) Dibromochloromethane	10.33	129	2242857	9.957	ppbv	100
49) Bromoform	13.07	173	1875679	10.334	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	2566001	9.316	ppbv	100
51) 2-Hexanone	10.16	43	1367431	9.838	ppbv #	100
52) Tetrachloroethene	11.24	164	1123540	8.484	ppbv	96
53) Toluene	9.83	91	3760083	9.818	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1956575	9.376	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1527823	10.552	ppbv	100
57) Chlorobenzene	12.17	112	2764163	10.148	ppbv	99
58) Ethyl Benzene	12.73	91	5044182	10.831	ppbv	98
59) m/p-Xylene	13.02	91	8596771m	21.163	ppbv	
60) o-Xylene	13.72	91	4050836	10.314	ppbv	99
61) Styrene	13.55	104	2365837	11.973	ppbv	98
62) Isopropylbenzene	14.69	105	5399294	10.208	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	3013390	10.057	ppbv	99
64) n-propylbenzene	15.59	120	1433979	11.089	ppbv	99
65) tert-Butylbenzene	16.77	119	4778922	10.419	ppbv	100
66) Benzyl Chloride	17.01	91	644239	12.708	ppbv	99
67) sec-Butylbenzene	17.32	105	6700419	10.350	ppbv	100
69) p-Isopropyltoluene	17.68	119	5520658	10.920	ppbv	100
70) n-Butylbenzene	18.57	91	5745265	10.960	ppbv	99
71) 2-Chlorotoluene	15.48	91	4248048	10.718	ppbv	99
72) 4-Ethyltoluene	15.86	105	4764157	11.069	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	4316309	10.745	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	4465043	10.387	ppbv	99
75) 1,3-Dichlorobenzene	17.02	146	2569045	10.618	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2490206	10.366	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2483667	10.920	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1782828	8.753	ppbv	99
79) Naphthalene	22.23	128	2965330	11.822	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	636550	12.869	ppbv	93
81) 1,2,4-Trichlorobenzene	21.96	180	1722987	11.125	ppbv	98

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

