

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036502.D
 Acq On : 26 Mar 2021 1:35
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/26/2021
 Supervised By : Mahesh Dadoda 03/29/2021

Quant Time: Mar 26 07:55:52 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 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	5.67	49	1470245	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3620006	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3217007m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2711682	10.58	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2295300	9.572	ppbv 96
3) Chlorodifluoromethane	2.99	51	2477904	9.021	ppbv 100
4) Chloromethane	3.14	50	854132	8.803	ppbv 94
5) Vinyl Chloride	3.26	62	823639	8.256	ppbv 99
6) Bromomethane	3.47	94	468400	8.528	ppbv 99
7) Chloroethane	3.56	64	307382	8.966	ppbv 90
8) Dichlorotetrafluoroethane	3.19	85	1977712	8.641	ppbv 99
9) Propene	3.01	41	768342	8.774	ppbv 99
10) Heptane	8.13	43	2038658	9.138	ppbv 99
11) Trichlorofluoromethane	3.95	101	2102847	8.605	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1355039	8.672	ppbv 99
13) Ethanol	3.61	45	78139m	7.493	ppbv
14) Bromoethene	3.74	108	563932	8.682	ppbv 97
15) Acetone	3.85	43	1228482	8.489	ppbv 99
16) 1,3-Butadiene	3.33	39	909738	9.030	ppbv 97
17) tert-Butyl alcohol	4.29	59	1043080	8.280	ppbv 99
18) 1,1-Dichloroethene	4.29	96	597993	8.604	ppbv 96
19) Isopropyl Alcohol	3.97	45	604539	7.594	ppbv 99
20) Methylene Chloride	4.35	84	534920	7.895	ppbv 93
21) Allyl Chloride	4.42	41	991458	8.595	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	560321	8.696	ppbv 86
23) Vinyl Acetate	5.08	43	2250160	9.091	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1596357	8.848	ppbv 99
25) Ethyl Acetate	5.69	43	2958151	8.599	ppbv 100
26) Hexane	5.69	57	1419198	8.889	ppbv 98
27) Carbon Disulfide	4.56	76	1483788	9.434	ppbv 98
28) Methyl tert-Butyl Ether	5.04	73	1656553	8.798	ppbv 99
29) Chloroform	5.76	83	2205234	8.637	ppbv 99
30) Cyclohexane	7.14	84	1172993	9.059	ppbv 97
31) cis-1,2-Dichloroethene	5.56	61	1416789	9.175	ppbv 100
32) 1,1,1-Trichloroethane	6.52	97	2234274	8.683	ppbv 99
34) 2-Butanone	5.25	43	1402855	7.939	ppbv 98
35) Carbon Tetrachloride	7.03	117	2314240	8.323	ppbv 95
36) Benzene	6.90	78	2932614	8.784	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1684491	8.572	ppbv 100
38) Trichloroethene	7.84	130	1048102	8.067	ppbv 98
39) 1,2-Dichloropropane	7.62	63	1177091	8.691	ppbv 98
40) 1,4-Dioxane	7.85	88	233878m	7.420	ppbv
41) Tetrahydrofuran	6.06	42	632204	7.760	ppbv 95
42) Bromodichloromethane	7.80	83	2386722	8.930	ppbv 100
43) Methyl Methacrylate	8.02	69	1129549	10.075	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4978240	8.472	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1003215	7.837	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1277129	7.805	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1177279	8.582	ppbv	98
48) Dibromochloromethane	10.32	129	1929714	9.228	ppbv	100
49) Bromoform	13.06	173	1561563	9.268	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	2195188	8.586	ppbv	99
51) 2-Hexanone	10.15	43	1151892	8.927	ppbv #	97
52) Tetrachloroethene	11.24	164	1004661	8.172	ppbv	95
53) Toluene	9.82	91	3303940	9.293	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1674606	8.644	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1349320	9.273	ppbv #	57
57) Chlorobenzene	12.16	112	2402989	8.779	ppbv	99
58) Ethyl Benzene	12.73	91	4394891	9.390	ppbv	99
59) m/p-Xylene	13.01	91	7452643m	18.256	ppbv	
60) o-Xylene	13.71	91	3505357	8.881	ppbv	100
61) Styrene	13.54	104	1925998	9.699	ppbv	99
62) Isopropylbenzene	14.68	105	4897921	9.214	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2501513	8.308	ppbv	100
64) n-propylbenzene	15.57	120	1265966	9.741	ppbv	99
65) tert-Butylbenzene	16.76	119	4222103	9.160	ppbv	100
66) Benzyl Chloride	17.00	91	435967	8.557	ppbv	99
67) sec-Butylbenzene	17.31	105	5946517	9.140	ppbv	100
69) p-Isopropyltoluene	17.67	119	4912362	9.669	ppbv	100
70) n-Butylbenzene	18.56	91	5064912	9.615	ppbv	100
71) 2-Chlorotoluene	15.47	91	3793748	9.525	ppbv	100
72) 4-Ethyltoluene	15.85	105	4175859	9.655	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3739830	9.264	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	3865664	8.948	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	2239291	9.209	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2161132	8.952	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2142459	9.373	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1672219	8.169	ppbv	99
79) Naphthalene	22.22	128	2449841	9.719	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	258459	5.199	ppbv	97
81) 1,2,4-Trichlorobenzene	21.94	180	1497587	9.622	ppbv	99

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

