

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041321\
 Data File : VL036816.D
 Acq On : 14 Apr 2021 00:38
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Apr 14 10:04:01 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

Reviewed By : Semsettin Yesilyurt 04/14/2021
 Supervised By : Mahesh Dadoda 04/14/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1293154	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3386120	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2888166m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1964270	8.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1845139	8.748	ppbv 99
3) Chlorodifluoromethane	2.98	51	2260034	9.354	ppbv 100
4) Chloromethane	3.13	50	714570	8.373	ppbv 97
5) Vinyl Chloride	3.25	62	746456	8.507	ppbv 100
6) Bromomethane	3.47	94	403796	8.358	ppbv 99
7) Chloroethane	3.55	64	254366	8.436	ppbv 91
8) Dichlorotetrafluoroethane	3.18	85	1769432	8.790	ppbv 97
9) Propene	3.01	41	707451	9.185	ppbv 96
10) Heptane	8.12	43	1785488	9.099	ppbv 99
11) Trichlorofluoromethane	3.94	101	1826876	8.499	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1213957	8.833	ppbv 100
13) Ethanol	3.61	45	65283	7.117	ppbv 89
14) Bromoethene	3.73	108	509732	8.922	ppbv 99
15) Acetone	3.85	43	922399	7.247	ppbv 98
16) 1,3-Butadiene	3.32	39	792022	8.938	ppbv 98
17) tert-Butyl alcohol	4.29	59	1163550	10.502	ppbv 99
18) 1,1-Dichloroethene	4.28	96	535871	8.766	ppbv 96
19) Isopropyl Alcohol	3.97	45	642815	9.181	ppbv # 94
20) Methylene Chloride	4.34	84	457756	7.682	ppbv 96
21) Allyl Chloride	4.41	41	844225	8.321	ppbv 97
22) trans-1,2-Dichloroethene	4.88	96	477012	8.417	ppbv 89
23) Vinyl Acetate	5.07	43	1932237	8.875	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1385024	8.728	ppbv 99
25) Ethyl Acetate	5.68	43	2662909	8.800	ppbv 99
26) Hexane	5.68	57	1255138	8.938	ppbv 99
27) Carbon Disulfide	4.55	76	1303566	9.424	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1498055	9.046	ppbv 99
29) Chloroform	5.75	83	1984662	8.838	ppbv 100
30) Cyclohexane	7.12	84	1074641	9.436	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1240143	9.131	ppbv 96
32) 1,1,1-Trichloroethane	6.51	97	2016852	8.911	ppbv 99
34) 2-Butanone	5.25	43	1290358	7.807	ppbv 99
35) Carbon Tetrachloride	7.01	117	2084514	8.015	ppbv 97
36) Benzene	6.89	78	2639700	8.453	ppbv 97
37) 1,2-Dichloroethane	6.30	62	1511382	8.223	ppbv 99
38) Trichloroethene	7.83	130	988539	8.134	ppbv 97
39) 1,2-Dichloropropane	7.61	63	1036888	8.185	ppbv 98
40) 1,4-Dioxane	7.84	88	276537m	9.379	ppbv
41) Tetrahydrofuran	6.05	42	584948	7.675	ppbv 96
42) Bromodichloromethane	7.79	83	2146018	8.584	ppbv 99
43) Methyl Methacrylate	8.01	69	983934	9.383	ppbv 98

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44) 2,2,4-Trimethylpentane	7.87	57	4513732	8.212	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	849794	7.097	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1109131	7.246	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1057424	8.241	ppbv	96
48) Dibromochloromethane	10.30	129	1803820	9.222	ppbv	99
49) Bromoform	13.04	173	1485716	9.427	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	1905840	7.969	ppbv	100
51) 2-Hexanone	10.14	43	987461	8.182	ppbv #	99
52) Tetrachloroethene	11.22	164	916676	7.971	ppbv	98
53) Toluene	9.80	91	2993081	9.000	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1548766	8.547	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	1250362	9.572	ppbv	93
57) Chlorobenzene	12.15	112	2245618	9.138	ppbv	95
58) Ethyl Benzene	12.71	91	4003873	9.529	ppbv	100
59) m/p-Xylene	13.00	91	6797339m	18.547	ppbv	
60) o-Xylene	13.69	91	3184071	8.985	ppbv	100
61) Styrene	13.53	104	1747254	9.801	ppbv	99
62) Isopropylbenzene	14.67	105	4492583	9.414	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2292519	8.481	ppbv	99
64) n-propylbenzene	15.56	120	1164257	9.979	ppbv	99
65) tert-Butylbenzene	16.74	119	3915864	9.463	ppbv	99
66) Benzyl Chloride	16.99	91	308677m	6.749	ppbv	
67) sec-Butylbenzene	17.30	105	5506846	9.428	ppbv	99
69) p-Isopropyltoluene	17.65	119	4539520	9.952	ppbv	99
70) n-Butylbenzene	18.55	91	4546879	9.614	ppbv	99
71) 2-Chlorotoluene	15.45	91	3427585	9.585	ppbv	99
72) 4-Ethyltoluene	15.84	105	3823409	9.846	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	3403515	9.391	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	3542820	9.135	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	2117513	9.700	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1986834	9.167	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2024730	9.867	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1584472	8.622	ppbv	99
79) Naphthalene	22.20	128	2328355	10.288	ppbv	98
80) Naphthalene,2-methyl-	24.98	142	381840	8.556	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	1425589	10.202	ppbv	98

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

