

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036746.D
 Acq On : 8 Apr 2021 10:33
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:46:22 AM

Quant Time: Apr 09 08:47:18 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 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	5.65	49	1242877	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	3182280	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2858756	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2312511	10.15	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2011524	9.923 ppbv	95
3) Chlorodifluoromethane	2.98	51	2419054	10.417 ppbv	100
4) Chloromethane	3.13	50	867859	10.581 ppbv	97
5) Vinyl Chloride	3.25	62	850131	10.080 ppbv	98
6) Bromomethane	3.47	94	455117	9.801 ppbv	95
7) Chloroethane	3.55	64	286123	9.873 ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	1961507	10.138 ppbv	97
9) Propene	3.00	41	776192	10.485 ppbv	98
10) Heptane	8.11	43	2015592	10.688 ppbv	99
11) Trichlorofluoromethane	3.94	101	2040028	9.875 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1322534	10.013 ppbv	98
13) Ethanol	3.60	45	87325	9.906 ppbv	95
14) Bromoethene	3.73	108	575497	10.480 ppbv	98
15) Acetone	3.84	43	1146049	9.369 ppbv	100
16) 1,3-Butadiene	3.32	39	834700	9.801 ppbv	96
17) tert-Butyl alcohol	4.28	59	1186094	11.138 ppbv	98
18) 1,1-Dichloroethene	4.28	96	596510	10.153 ppbv	96
19) Isopropyl Alcohol	3.96	45	701190	10.420 ppbv	99
20) Methylene Chloride	4.33	84	516736	9.022 ppbv	93
21) Allyl Chloride	4.40	41	1001419	10.269 ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	570278	10.470 ppbv	94
23) Vinyl Acetate	5.06	43	2286353	10.927 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1492552	9.786 ppbv	99
25) Ethyl Acetate	5.67	43	3108966	10.690 ppbv	99
26) Hexane	5.68	57	1436721	10.645 ppbv	99
27) Carbon Disulfide	4.54	76	1459571	10.978 ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1668251	10.481 ppbv	99
29) Chloroform	5.74	83	2275756	10.544 ppbv	98
30) Cyclohexane	7.12	84	1214721	11.098 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1398226	10.711 ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	2311615	10.627 ppbv	99
34) 2-Butanone	5.23	43	1530515	9.853 ppbv	99
35) Carbon Tetrachloride	7.01	117	2409135	9.856 ppbv	98
36) Benzene	6.88	78	3026176	10.311 ppbv	98
37) 1,2-Dichloroethane	6.30	62	1726100	9.992 ppbv	99
38) Trichloroethene	7.83	130	1091449	9.556 ppbv	98
39) 1,2-Dichloropropane	7.60	63	1185029	9.954 ppbv	97
40) 1,4-Dioxane	7.83	88	289214	10.438 ppbv	87
41) Tetrahydrofuran	6.04	42	730917	10.205 ppbv	95
42) Bromodichloromethane	7.78	83	2441057	10.389 ppbv	96
43) Methyl Methacrylate	8.00	69	1092667	11.087 ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5057697	9.791	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1293741	11.496	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1613110	11.214	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1219407	10.112	ppbv	98
48) Dibromochloromethane	10.30	129	2024674	11.014	ppbv	99
49) Bromoform	13.03	173	1663683	11.232	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2337214	10.398	ppbv	100
51) 2-Hexanone	10.13	43	1239552	10.928	ppbv #	100
52) Tetrachloroethene	11.21	164	1024383	9.479	ppbv	95
53) Toluene	9.80	91	3368533	10.778	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1758186	10.324	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1353533	10.468	ppbv	95
57) Chlorobenzene	12.14	112	2503554	10.292	ppbv	97
58) Ethyl Benzene	12.70	91	4548856	10.937	ppbv	99
59) m/p-Xylene	12.99	91	7653786m	21.098	ppbv	
60) o-Xylene	13.69	91	3602613	10.271	ppbv	99
61) Styrene	13.52	104	2118656	12.006	ppbv	99
62) Isopropylbenzene	14.66	105	4906266	10.387	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2609033	9.751	ppbv	100
64) n-propylbenzene	15.55	120	1308015	11.326	ppbv	97
65) tert-Butylbenzene	16.74	119	4307063	10.515	ppbv	100
66) Benzyl Chloride	16.98	91	559078	12.349	ppbv	100
67) sec-Butylbenzene	17.29	105	6043538	10.453	ppbv	100
69) p-Isopropyltoluene	17.65	119	5005330	11.086	ppbv	99
70) n-Butylbenzene	18.55	91	5150157	11.002	ppbv	99
71) 2-Chlorotoluene	15.45	91	3796323	10.726	ppbv	100
72) 4-Ethyltoluene	15.83	105	4280512	11.137	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	3882340	10.823	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4021274	10.475	ppbv	99
75) 1,3-Dichlorobenzene	16.99	146	2332199	10.793	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2296407	10.704	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2230627	10.982	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1661463	9.134	ppbv	99
79) Naphthalene	22.19	128	2709707	12.097	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	565119	12.793	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	1586157m	11.468	ppbv	

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

