

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036591.D
 Acq On : 31 Mar 2021 5:49
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:51:51 PM

Quant Time: Mar 31 08:32:55 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	5.66	49	1332797	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3247314	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	3002450m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2496891	10.43	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2162812	9.949	ppbv	94
3) Chlorodifluoromethane	2.98	51	2647410	10.632	ppbv	100
4) Chloromethane	3.13	50	895300	10.179	ppbv	95
5) Vinyl Chloride	3.25	62	898798	9.938	ppbv	99
6) Bromomethane	3.47	94	501134	10.064	ppbv	100
7) Chloroethane	3.55	64	333234	10.723	ppbv	94
8) Dichlorotetrafluoroethane	3.18	85	2126970	10.252	ppbv	99
9) Propene	3.00	41	818349	10.309	ppbv	98
10) Heptane	8.11	43	2152792	10.645	ppbv	99
11) Trichlorofluoromethane	3.94	101	2275369	10.271	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1481023	10.456	ppbv	99
13) Ethanol	3.60	45	82464m	8.723	ppbv	
14) Bromoethene	3.73	108	626366	10.637	ppbv	99
15) Acetone	3.84	43	1324031	10.093	ppbv	98
16) 1,3-Butadiene	3.32	39	969824	10.619	ppbv	98
17) tert-Butyl alcohol	4.29	59	1048264	9.180	ppbv	99
18) 1,1-Dichloroethene	4.28	96	654088	10.382	ppbv	96
19) Isopropyl Alcohol	3.96	45	557671	7.728	ppbv	99
20) Methylene Chloride	4.34	84	610731m	9.944	ppbv	
21) Allyl Chloride	4.40	41	1074344	10.274	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	612014	10.478	ppbv	92
23) Vinyl Acetate	5.07	43	2392978	10.665	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1704062	10.419	ppbv	98
25) Ethyl Acetate	5.67	43	3155142	10.117	ppbv	100
26) Hexane	5.68	57	1526709	10.549	ppbv	97
27) Carbon Disulfide	4.54	76	1596328	11.197	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1690856	9.907	ppbv	98
29) Chloroform	5.74	83	2380497	10.285	ppbv	97
30) Cyclohexane	7.12	84	1267073	10.795	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1460922	10.437	ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	2353881	10.091	ppbv	98
34) 2-Butanone	5.24	43	1489856	9.399	ppbv	99
35) Carbon Tetrachloride	7.01	117	2470399	9.905	ppbv	97
36) Benzene	6.88	78	3115226	10.402	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1779392	10.095	ppbv	100
38) Trichloroethene	7.83	130	1119945	9.609	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1236153	10.175	ppbv	99
40) 1,4-Dioxane	7.83	88	211366	7.475	ppbv #	19
41) Tetrahydrofuran	6.04	42	656329	8.980	ppbv	98
42) Bromodichloromethane	7.78	83	2556881	10.664	ppbv	98
43) Methyl Methacrylate	8.01	69	1180510	11.739	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.86	57	5269800	9.998	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1035924	9.021	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1363711	9.290	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1259162	10.233	ppbv	97
48) Dibromochloromethane	10.30	129	2031996	10.833	ppbv	99
49) Bromoform	13.03	173	1659764	10.981	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2303303	10.042	ppbv	99
51) 2-Hexanone	10.13	43	1252268	10.819	ppbv #	98
52) Tetrachloroethene	11.21	164	1044836	9.474	ppbv	96
53) Toluene	9.80	91	3453213	10.827	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1761745	10.138	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1443960	10.633	ppbv	96
57) Chlorobenzene	12.14	112	2501993	9.794	ppbv	98
58) Ethyl Benzene	12.70	91	4627596	10.594	ppbv	99
59) m/p-Xylene	12.99	91	7853823m	20.614	ppbv	
60) o-Xylene	13.69	91	3692554	10.024	ppbv	100
61) Styrene	13.52	104	1994546	10.762	ppbv	99
62) Isopropylbenzene	14.66	105	5101032	10.282	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2660668	9.468	ppbv	100
64) n-propylbenzene	15.55	120	1348032	11.114	ppbv	100
65) tert-Butylbenzene	16.74	119	4428126	10.294	ppbv	99
66) Benzyl Chloride	16.98	91	503175	10.582	ppbv	99
67) sec-Butylbenzene	17.29	105	6243091	10.281	ppbv	100
69) p-Isopropyltoluene	17.65	119	5092647	10.740	ppbv	100
70) n-Butylbenzene	18.54	91	5330205	10.841	ppbv	100
71) 2-Chlorotoluene	15.45	91	3961836	10.658	ppbv	100
72) 4-Ethyltoluene	15.83	105	4384906	10.863	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3912993	10.386	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	4070267	10.095	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	2325007	10.245	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2271816	10.082	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	2254794	10.570	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1727475	9.042	ppbv	99
79) Naphthalene	22.19	128	2586453	10.994	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	323623	6.976	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1599227	11.010	ppbv	98

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

