

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
 Data File : VL037495.D
 Acq On : 19 Aug 2021 11:03
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 8/20/2021 6:30:59 PM

Quant Time: Aug 20 00:27:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1467766	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4396319	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	4164771m	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3080644	10.41	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2975833	12.636	ppbv	100
3) Chlorodifluoromethane	2.99	51	2590867	9.218	ppbv	99
4) Chloromethane	3.14	50	968224	9.640	ppbv	91
5) Vinyl Chloride	3.26	62	982012	9.544	ppbv	96
6) Bromomethane	3.48	94	468612	8.314	ppbv	99
7) Chloroethane	3.56	64	330039	9.397	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	2262277	9.305	ppbv	100
9) Propene	3.02	41	909748	9.047	ppbv	100
10) Heptane	8.13	43	2333671	10.082	ppbv	98
11) Trichlorofluoromethane	3.95	101	2070341	9.365	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1524536	9.398	ppbv	100
13) Ethanol	3.62	45	77953m	7.966	ppbv	
14) Bromoethene	3.74	108	704491	9.566	ppbv	98
15) Acetone	3.85	43	1174273	7.861	ppbv	99
16) 1,3-Butadiene	3.33	39	932999	9.737	ppbv	98
17) tert-Butyl alcohol	4.29	59	1213679	8.894	ppbv	98
18) 1,1-Dichloroethene	4.29	96	699512	9.493	ppbv	100
19) Isopropyl Alcohol	3.97	45	714451	8.349	ppbv #	98
20) Methylene Chloride	4.35	84	623225	8.333	ppbv	95
21) Allyl Chloride	4.42	41	1065258	8.780	ppbv	93
22) trans-1,2-Dichloroethene	4.89	96	695766	9.464	ppbv	97
23) Vinyl Acetate	5.08	43	2295955	10.428	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1534261	9.608	ppbv	99
25) Ethyl Acetate	5.68	43	3622165	9.552	ppbv	99
26) Hexane	5.69	57	1711006	9.228	ppbv	99
27) Carbon Disulfide	4.56	76	1707642	10.335	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1810407	10.167	ppbv	100
29) Chloroform	5.76	83	2525748	9.612	ppbv	99
30) Cyclohexane	7.14	84	1496055	9.684	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1650109	9.834	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2448724	9.485	ppbv	99
34) 2-Butanone	5.25	43	1599235	8.908	ppbv	97
35) Carbon Tetrachloride	7.02	117	2564601	9.871	ppbv	99
36) Benzene	6.90	78	3619127	9.793	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1802746	9.848	ppbv	99
38) Trichloroethene	7.84	130	1439547	9.494	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1364180	9.606	ppbv	98
40) 1,4-Dioxane	7.83	88	331036	9.515	ppbv #	100
41) Tetrahydrofuran	6.06	42	825762	9.548	ppbv	98
42) Bromodichloromethane	7.80	83	2654861	9.918	ppbv	95
43) Methyl Methacrylate	8.02	69	1288902	10.006	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5996700	9.641	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	925235	9.542	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1183700	8.751	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1498319	9.764	ppbv	99
48) Dibromochloromethane	10.31	129	2403842	10.886	ppbv	98
49) Bromoform	13.04	173	2065031	11.864	ppbv	96
50) 4-Methyl-2-Pentanone	8.74	43	2379344	10.159	ppbv	100
51) 2-Hexanone	10.14	43	1144166	10.621	ppbv #	99
52) Tetrachloroethene	11.23	164	1363245	9.002	ppbv	98
53) Toluene	9.81	91	4233156	10.031	ppbv	98
54) 1,2-Dibromoethane	10.61	107	2102781	9.816	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1691907	9.749	ppbv	94
57) Chlorobenzene	12.15	112	3186789	9.220	ppbv	97
58) Ethyl Benzene	12.71	91	5572351	9.641	ppbv	99
59) m/p-Xylene	13.00	91	9287517m	18.536	ppbv	
60) o-Xylene	13.70	91	4405461	9.420	ppbv	97
61) Styrene	13.53	104	2573874	10.595	ppbv	98
62) Isopropylbenzene	14.67	105	6131753	9.291	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3136575	9.024	ppbv	98
64) n-propylbenzene	15.56	120	1639011	9.758	ppbv	92
65) tert-Butylbenzene	16.74	119	5430973	9.035	ppbv	99
66) Benzyl Chloride	16.99	91	326038	11.991	ppbv	98
67) sec-Butylbenzene	17.29	105	7527532	8.963	ppbv	100
69) p-Isopropyltoluene	17.65	119	6306106	9.214	ppbv	100
70) n-Butylbenzene	18.55	91	6145587	9.396	ppbv	100
71) 2-Chlorotoluene	15.46	91	4630696	9.568	ppbv	97
72) 4-Ethyltoluene	15.84	105	5332209	9.586	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4807199	9.284	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4917324	8.937	ppbv	92
75) 1,3-Dichlorobenzene	17.00	146	3012520	9.096	ppbv	98
76) 1,4-Dichlorobenzene	17.14	146	2906309	8.711	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	2893887	8.874	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2197814	8.106	ppbv	99
79) Naphthalene	22.19	128	3553920	9.652	ppbv	96
80) Naphthalene, 2-methyl-	24.97	142	787961	7.682	ppbv	90
81) 1,2,4-Trichlorobenzene	21.92	180	2174667	9.412	ppbv	99

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

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