

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081121\
 Data File : VL037407.D
 Acq On : 12 Aug 2021 2:29
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 8/12/2021 10:16:24 AM

Quant Time: Aug 12 04:42:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 11 2021
 QLast Update : Wed Aug 11 09:01:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	370388	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	1141774	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	1010338	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	668192	8.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	843445	12.598	ppbv	95
3) Chlorodifluoromethane	2.99	51	713087	10.354	ppbv	97
4) Chloromethane	3.14	50	249688	9.844	ppbv	94
5) Vinyl Chloride	3.25	62	268273	10.353	ppbv	92
6) Bromomethane	3.47	94	147030	10.351	ppbv	87
7) Chloroethane	3.56	64	112555	12.685	ppbv #	87
8) Dichlorotetrafluoroethane	3.19	85	630987	10.804	ppbv	97
9) Propene	3.00	41	229333	9.781	ppbv	98
10) Heptane	8.12	43	617257m	11.130	ppbv	
11) Trichlorofluoromethane	3.95	101	818731	14.546	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	647841	16.172	ppbv	95
13) Ethanol	3.62	45	16368m	5.783	ppbv	
14) Bromoethene	3.74	108	248811	13.579	ppbv	97
15) Acetone	3.86	43	386264	10.946	ppbv	97
16) 1,3-Butadiene	3.32	39	245226	9.892	ppbv	92
17) tert-Butyl alcohol	4.32	59	44026m	1.395	ppbv	
18) 1,1-Dichloroethene	4.29	96	275410	15.173	ppbv	99
19) Isopropyl Alcohol	3.99	45	61005m	3.003	ppbv	
20) Methylene Chloride	4.34	84	244550	12.762	ppbv	94
21) Allyl Chloride	4.41	41	362499	13.096	ppbv	88
22) trans-1,2-Dichloroethene	4.88	96	276464	16.117	ppbv	94
23) Vinyl Acetate	5.07	43	596662	10.520	ppbv #	97
24) 1,1-Dichloroethane	5.01	63	566230	12.693	ppbv	99
25) Ethyl Acetate	5.68	43	905378	10.021	ppbv #	98
26) Hexane	5.68	57	459464	10.042	ppbv	93
27) Carbon Disulfide	4.55	76	692198	18.052	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	561371	11.489	ppbv	99
29) Chloroform	5.75	83	685287	10.445	ppbv	100
30) Cyclohexane	7.13	84	386119	10.195	ppbv	96
31) cis-1,2-Dichloroethene	5.54	61	431723	10.530	ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	654646	10.291	ppbv	97
34) 2-Butanone	5.25	43	380431	8.769	ppbv	95
35) Carbon Tetrachloride	7.01	117	683045	10.727	ppbv	99
36) Benzene	6.89	78	960957	10.606	ppbv	99
37) 1,2-Dichloroethane	6.30	62	459404	9.912	ppbv	100
38) Trichloroethene	7.83	130	386586	10.021	ppbv	95
39) 1,2-Dichloropropane	7.61	63	350445	10.580	ppbv	97
40) 1,4-Dioxane	7.91	88	3699m	0.419	ppbv	
41) Tetrahydrofuran	6.05	42	191250m	9.378	ppbv	
42) Bromodichloromethane	7.78	83	687329	10.491	ppbv	99
43) Methyl Methacrylate	8.01	69	296078	9.389	ppbv	98

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44) 2,2,4-Trimethylpentane	7.87	57	1631376	10.794	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	172991m	7.307	ppbv	
46) cis-1,3-Dichloropropene	8.70	75	249810	7.800	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	380303	10.188	ppbv	94
48) Dibromochloromethane	10.30	129	587209	10.666	ppbv	99
49) Bromoform	13.04	173	431186	9.967	ppbv	96
50) 4-Methyl-2-Pentanone	8.76	43	338664m	5.975	ppbv	
51) 2-Hexanone	10.20	43	8537m	0.340	ppbv	
52) Tetrachloroethene	11.22	164	356561	9.654	ppbv	98
53) Toluene	9.80	91	1121508	10.673	ppbv	99
54) 1,2-Dibromoethane	10.61	107	496401	9.394	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	447510	11.458	ppbv #	57
57) Chlorobenzene	12.14	112	792830	10.168	ppbv	95
58) Ethyl Benzene	12.70	91	1435453	10.644	ppbv	95
59) m/p-Xylene	12.99	91	2341352m	20.166	ppbv	
60) o-Xylene	13.69	91	1090766	10.133	ppbv	97
61) Styrene	13.52	104	503137	9.023	ppbv	97
62) Isopropylbenzene	14.66	105	1007692	6.646	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	339488	4.171	ppbv	97
64) n-propylbenzene	15.55	120	100525m	2.612	ppbv	
65) tert-Butylbenzene	16.74	119	65487m	0.479	ppbv	
66) Benzyl Chloride	17.00	91	3729m	0.643	ppbv	
67) sec-Butylbenzene	17.30	105	42736m	0.227	ppbv	
69) p-Isopropyltoluene	17.65	119	10400m	0.068	ppbv	
71) 2-Chlorotoluene	15.45	91	461057	4.165	ppbv	99
72) 4-Ethyltoluene	15.84	105	222449m	1.767	ppbv	
73) 1,3,5-Trimethylbenzene	16.00	105	135955	1.164	ppbv	93
74) 1,2,4-Trimethylbenzene	16.77	105	54202m	0.457	ppbv	
75) 1,3-Dichlorobenzene	17.00	146	28591m	0.397	ppbv	
76) 1,4-Dichlorobenzene	17.14	146	21917m	0.310	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	6126m	0.088	ppbv	

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

