

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037430.D
 Acq On : 13 Aug 2021 2:00
 Operator : SY/AP
 Sample : M3211-02RE
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-2RE

Manual Integrations
 APPROVED

apatel
 8/13/2021 3:03:17 PM

Quant Time: Aug 13 11:09:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1328772	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3958271	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3431712	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2549820	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	55691	0.274	ppbv	99
3) Chlorodifluoromethane	2.99	51	76395	0.293	ppbv #	88
4) Chloromethane	3.14	50	47120	0.502	ppbv	96
5) Vinyl Chloride	3.26	62	241	0.002	ppbv #	43
6) Bromomethane	3.47	94	578	0.011	ppbv #	49
7) Chloroethane	3.56	64	2949m	0.086	ppbv	
8) Dichlorotetrafluoroethane	3.19	85	1438	0.006	ppbv #	34
9) Propene	3.01	41	174817	1.995	ppbv	90
10) Heptane	8.12	43	89875m	0.422	ppbv	
11) Trichlorofluoromethane	3.94	101	68646m	0.312	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.21	101	417	0.003	ppbv	83
13) Ethanol	3.61	45	520608	55.674	ppbv	89
14) Bromoethene	3.74	108	112	0.002	ppbv #	1
15) Acetone	3.84	43	6136211	43.544	ppbv	100
17) tert-Butyl alcohol	4.31	59	43810m	0.326	ppbv	
18) 1,1-Dichloroethene	4.29	96	159	0.002	ppbv #	1
19) Isopropyl Alcohol	3.98	45	276877	3.376	ppbv #	1
20) Methylene Chloride	4.34	84	5584547	74.947	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	180	0.003	ppbv #	33
24) 1,1-Dichloroethane	5.02	63	417	0.002	ppbv #	89
26) Hexane	5.69	57	4918595	28.379	ppbv #	46
27) Carbon Disulfide	4.55	76	480381	3.288	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	598	0.003	ppbv #	52
29) Chloroform	5.75	83	57461	0.235	ppbv	97
30) Cyclohexane	7.13	84	165565m	1.160	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	101	0.001	ppbv #	22
32) 1,1,1-Trichloroethane	6.51	97	65436	0.266	ppbv	94
34) 2-Butanone	5.24	43	3049422	18.660	ppbv	97
35) Carbon Tetrachloride	7.01	117	26682m	0.109	ppbv	
36) Benzene	6.89	78	236045	0.707	ppbv	95
37) 1,2-Dichloroethane	6.30	62	1190	0.007	ppbv #	80
38) Trichloroethene	7.83	130	16401	0.111	ppbv #	75
40) 1,4-Dioxane	7.83	88	883	0.029	ppbv #	100
41) Tetrahydrofuran	6.04	42	4395518	58.570	ppbv	96
42) Bromodichloromethane	7.79	83	4426	0.019	ppbv #	46
43) Methyl Methacrylate	8.01	69	1632	0.014	ppbv #	1
44) 2,2,4-Trimethylpentane	7.87	57	159304m	0.285	ppbv	
45) t-1,3-Dichloropropene	9.27	75	209	0.002	ppbv #	44
46) cis-1,3-Dichloropropene	8.70	75	79	0.001	ppbv #	1
47) 1,1,2-Trichloroethane	9.47	97	414	0.003	ppbv #	65
48) Dibromochloromethane	10.31	129	140	0.001	ppbv	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
49) Bromoform	12.83	173	59	0.000	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.75	43	48098m	0.234	ppbv		
51) 2-Hexanone	10.13	43	195803m	2.024	ppbv		
52) Tetrachloroethene	11.22	164	798137	5.676	ppbv		99
53) Toluene	9.80	91	652456	1.712	ppbv		99
54) 1,2-Dibromoethane	10.61	107	236	0.001	ppbv	#	32
56) 1,1,1,2-Tetrachloroethane	11.91	131	138	0.001	ppbv	#	1
57) Chlorobenzene	12.13	112	66405m	0.239	ppbv		
58) Ethyl Benzene	12.70	91	160550m	0.345	ppbv		
59) m/p-Xylene	12.97	91	436842m	1.068	ppbv		
60) o-Xylene	13.69	91	200690	0.528	ppbv		95
61) Styrene	13.52	104	16969m	0.088	ppbv		
62) Isopropylbenzene	14.67	105	45523m	0.084	ppbv		
63) 1,1,2,2-Tetrachloroethane	13.66	83	128779	0.449	ppbv	#	61
64) n-propylbenzene	15.55	120	2088	0.015	ppbv	#	1
65) tert-Butylbenzene	16.77	119	56039m	0.114	ppbv		
67) sec-Butylbenzene	17.30	105	100354	0.151	ppbv		96
69) p-Isopropyltoluene	17.66	119	48439m	0.089	ppbv		
70) n-Butylbenzene	18.53	91	1967	0.004	ppbv	#	32
71) 2-Chlorotoluene	15.46	91	4907	0.013	ppbv	#	41
72) 4-Ethyltoluene	15.83	105	101804m	0.231	ppbv		
73) 1,3,5-Trimethylbenzene	16.01	105	182409	0.438	ppbv	#	80
74) 1,2,4-Trimethylbenzene	16.77	105	359350m	0.842	ppbv		
75) 1,3-Dichlorobenzene	17.01	146	68141m	0.261	ppbv		
76) 1,4-Dichlorobenzene	17.13	146	775	0.003	ppbv	#	1
77) 1,2-Dichlorobenzene	17.80	146	622	0.002	ppbv	#	10
78) Hexachloro-1,3-Butadiene	23.35	225	29	0.000	ppbv	#	1
79) Naphthalene	22.19	128	57513m	0.248	ppbv		
80) Naphthalene, 2-methyl-	24.96	142	4344m	0.089	ppbv		
81) 1,2,4-Trichlorobenzene	21.92	180	877	0.006	ppbv	#	1

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

