

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040121\
 Data File : VL036633.D
 Acq On : 1 Apr 2021 15:29
 Operator : SY/AP
 Sample : M1834-01 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: Apr 02 01:49:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 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	137144	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	8512	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.36	117	1978667	10.00	ppbv	0.26

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.76	95	46274	0.29	ppbv	0.33
Spiked Amount	10.000	Range	65 - 135	Recovery	=	2.90%#

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.21	51	588106	22.952	ppbv #	59
4) Chloromethane	3.18	50	148661	16.425	ppbv #	71
5) Vinyl Chloride	3.25	62	292	0.031	ppbv #	42
6) Bromomethane	3.47	94	832	0.162	ppbv #	3
7) Chloroethane	3.55	64	511	0.160	ppbv	92
8) Dichlorotetrafluoroethane	3.36	85	1503	0.070	ppbv	99
9) Propene	3.22	41	20451161	2503.603	ppbv	90
10) Heptane	8.10	43	67057	3.222	ppbv #	28
12) 1,1,2-Trichlorotrifluoroet	4.48	101	485	0.033	ppbv #	11
13) Ethanol	3.59	45	22912	23.554	ppbv #	1
15) Acetone	3.89	43	35695075	2644.437	ppbv #	81
16) 1,3-Butadiene	3.30	39	15070046	1603.627	ppbv #	22
17) tert-Butyl alcohol	4.31	59	14614	1.244	ppbv #	1
18) 1,1-Dichloroethene	4.29	96	2271	0.350	ppbv #	1
19) Isopropyl Alcohol	3.96	45	22815	3.073	ppbv #	1
20) Methylene Chloride	4.34	84	14048	2.223	ppbv #	1
21) Allyl Chloride	4.52	41	15438815	1434.810	ppbv #	1
22) trans-1,2-Dichloroethene	4.89	96	329	0.055	ppbv #	63
23) Vinyl Acetate	5.07	43	11679156	505.830	ppbv #	1
24) 1,1-Dichloroethane	5.05	63	27645	1.643	ppbv #	91
25) Ethyl Acetate	5.68	43	76045	2.370	ppbv #	59
26) Hexane	5.97	57	1771331	118.944	ppbv #	1
27) Carbon Disulfide	4.55	76	3595	0.245	ppbv #	60
28) Methyl tert-Butyl Ether	5.03	73	511630	29.132	ppbv #	52
30) Cyclohexane	7.47	84	19758731	1635.969	ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	4499	0.312	ppbv #	32
32) 1,1,1-Trichloroethane	6.45	97	3380	0.141	ppbv #	1
34) 2-Butanone	5.07	43	11679156	28108.768	ppbv #	47
35) Carbon Tetrachloride	6.70	117	488	0.746	ppbv	96
36) Benzene	7.19	78	160263910	204148.154	ppbv #	11
37) 1,2-Dichloroethane	6.30	62	32289	69.883	ppbv #	82
38) Trichloroethene	7.82	130	486	1.591	ppbv #	41
39) 1,2-Dichloropropane	7.19	63	5092257	15990.810	ppbv #	29
40) 1,4-Dioxane	7.83	88	965	13.020	ppbv #	1
41) Tetrahydrofuran	6.09	42	14420483	75272.202	ppbv #	1
42) Bromodichloromethane	7.77	83	88660	141.071	ppbv #	54
43) Methyl Methacrylate	7.98	69	201604	764.778	ppbv #	1
44) 2,2,4-Trimethylpentane	7.73	57	1970505	1426.191	ppbv #	1
45) t-1,3-Dichloropropene	9.26	75	2958	9.827	ppbv #	1
46) cis-1,3-Dichloropropene	8.70	75	10803	28.076	ppbv #	38
47) 1,1,2-Trichloroethane	9.41	97	27031388	83804.836	ppbv #	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Dibromochloromethane	10.21	129	1260	2.563	ppbv	70
49) Bromoform	13.15	173	129	0.326	ppbv #	42
50) 4-Methyl-2-Pentanone	8.77	43	1126305	1873.399	ppbv #	1
51) 2-Hexanone	10.15	43	5723792	18865.856	ppbv #	30
52) Tetrachloroethene	11.19	164	67	0.232	ppbv #	1
53) Toluene	9.79	91	6990	8.361	ppbv #	1
54) 1,2-Dibromoethane	10.98	107	1793	3.936	ppbv	93
57) Chlorobenzene	12.46	112	2319391	13.777	ppbv #	43
58) Ethyl Benzene	12.95	91	10478325	36.400	ppbv	93
59) m/p-Xylene	13.19	91	3980576	15.853	ppbv	88
60) o-Xylene	13.88	91	844963	3.480	ppbv	96
62) Isopropylbenzene	14.81	105	4882881	14.935	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.97	83	1297378	7.005	ppbv #	15
64) n-propylbenzene	15.67	120	556144	6.958	ppbv	100
66) Benzyl Chloride	17.36	91	15704	0.501	ppbv #	66
67) sec-Butylbenzene	17.36	105	100073	0.250	ppbv	98
71) 2-Chlorotoluene	15.44	91	133514	0.545	ppbv	74

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

