

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072320\
 Data File : VL035228.D
 Acq On : 23 Jul 2020 14:33
 Operator : SY/AP
 Sample : L3216-13 0.4 LOD
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/27/2020 12:29:49 PM

Quant Time: Jul 24 06:24:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 0
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1163024	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2928402	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2649837	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2275082	10.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.70%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.00	85	103406	0.634	ppbv	94
3) Chlorodifluoromethane	2.94	51	66055	0.514	ppbv	99
4) Chloromethane	3.09	50	33837m	0.467	ppbv	
5) Vinyl Chloride	3.21	62	30224	0.391	ppbv	97
6) Bromomethane	3.43	94	25046	0.570	ppbv #	74
7) Chloroethane	3.52	64	13362	0.489	ppbv #	79
8) Dichlorotetrafluoroethane	3.14	85	91572	0.513	ppbv	98
9) Propene	2.96	41	18061	0.372	ppbv	92
10) Heptane	8.13	43	35530	0.285	ppbv	88
11) Trichlorofluoromethane	3.92	101	98039	0.533	ppbv	85
12) 1,1,2-Trichlorotrifluoroet	4.46	101	67995	0.526	ppbv	100
13) Ethanol	3.57	45	8608m	0.557	ppbv	
14) Bromoethene	3.70	108	25941m	0.488	ppbv	
15) Acetone	3.83	43	93266	0.592	ppbv	93
16) 1,3-Butadiene	3.29	39	23198m	0.384	ppbv	
17) tert-Butyl alcohol	4.28	59	69632	0.500	ppbv	98
18) 1,1-Dichloroethene	4.26	96	25774m	0.450	ppbv	
19) Isopropyl Alcohol	3.95	45	45856m	0.483	ppbv	
20) Methylene Chloride	4.32	84	44372m	0.648	ppbv	
21) Allyl Chloride	4.38	41	41496	0.453	ppbv	95
22) trans-1,2-Dichloroethene	4.86	96	28193m	0.493	ppbv	
23) Vinyl Acetate	5.05	43	63883m	0.375	ppbv	
24) 1,1-Dichloroethane	4.99	63	67029	0.458	ppbv	96
25) Ethyl Acetate	5.67	43	98609	0.404	ppbv	98
26) Hexane	5.67	57	42656m	0.396	ppbv	
27) Carbon Disulfide	4.53	76	69694m	0.463	ppbv	
28) Methyl tert-Butyl Ether	5.02	73	55530m	0.338	ppbv	
29) Chloroform	5.74	83	86560	0.479	ppbv	85
30) Cyclohexane	7.13	84	33573m	0.421	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	31416m	0.308	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	81865m	0.452	ppbv	
34) 2-Butanone	5.24	43	51759	0.331	ppbv #	89
35) Carbon Tetrachloride	7.01	117	82126m	0.432	ppbv	
36) Benzene	6.88	78	62710	0.296	ppbv #	90
37) 1,2-Dichloroethane	6.29	62	56698m	0.399	ppbv	
38) Trichloroethene	7.84	130	25364m	0.294	ppbv	
39) 1,2-Dichloropropane	7.62	63	30425m	0.361	ppbv	
40) 1,4-Dioxane	7.89	88	10386m	0.310	ppbv	
41) Tetrahydrofuran	6.06	42	20962m	0.268	ppbv	
42) Bromodichloromethane	7.79	83	76902m	0.405	ppbv	
43) Methyl Methacrylate	8.02	69	25952m	0.290	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	108795	0.297	ppbv	# 85
45) t-1,3-Dichloropropene	9.29	75	24031	0.255	ppbv	# 81
46) cis-1,3-Dichloropropene	8.72	75	27800m	0.249	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	38275	0.415	ppbv	92
48) Dibromochloromethane	10.32	129	55043	0.367	ppbv	100
49) Bromoform	13.07	173	47153m	0.359	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	64342m	0.287	ppbv	
51) 2-Hexanone	10.16	43	37332m	0.218	ppbv	
52) Tetrachloroethene	11.24	164	27481m	0.347	ppbv	
53) Toluene	9.82	91	52673m	0.235	ppbv	
54) 1,2-Dibromoethane	10.63	107	50520m	0.369	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.15	131	55493	0.473	ppbv	# 1
57) Chlorobenzene	12.17	112	90911m	0.465	ppbv	
58) Ethyl Benzene	12.73	91	70274m	0.240	ppbv	
59) m/p-Xylene	13.03	91	154378m	0.591	ppbv	
60) o-Xylene	13.72	91	72668	0.279	ppbv	100
61) Styrene	13.55	104	32510m	0.202	ppbv	
62) Isopropylbenzene	14.70	105	124706	0.323	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.71	83	95820m	0.440	ppbv	
64) n-propylbenzene	15.60	120	28654m	0.287	ppbv	
65) tert-Butylbenzene	16.79	119	100469	0.290	ppbv	85
66) Benzyl Chloride	17.03	91	55783m	0.452	ppbv	
67) sec-Butylbenzene	17.33	105	165023	0.326	ppbv	95
69) p-Isopropyltoluene	17.69	119	116012	0.293	ppbv	97
70) n-Butylbenzene	18.59	91	123457	0.294	ppbv	96
71) 2-Chlorotoluene	15.48	91	79682	0.273	ppbv	100
72) 4-Ethyltoluene	15.87	105	81876m	0.279	ppbv	
73) 1,3,5-Trimethylbenzene	16.03	105	81440m	0.288	ppbv	
74) 1,2,4-Trimethylbenzene	16.80	105	99075	0.317	ppbv	95
75) 1,3-Dichlorobenzene	17.02	146	99310	0.501	ppbv	91
76) 1,4-Dichlorobenzene	17.18	146	74299	0.404	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	72972m	0.409	ppbv	
78) Hexachloro-1,3-Butadiene	23.42	225	72885m	0.517	ppbv	
79) Naphthalene	22.26	128	43827m	0.217	ppbv	
80) Naphthalene,2-methyl-	25.02	142	3061	0.064	ppbv	# 30
81) 1,2,4-Trichlorobenzene	21.98	180	40593m	0.317	ppbv	

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

